

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110218\
 Data File : VW006551.D
 Acq On : 01 Nov 2018 10:43
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/2/2018 3:20:49 PM

Quant Time: Nov 01 14:01:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	339267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	465849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	421426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	233957	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133513	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	
35) Dibromofluoromethane	7.88	113	149788	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.33	98	585495	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.62	95	205491	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.02	85	91768	52.178	ug/l	99
3) Chloromethane	2.22	50	105661	48.556	ug/l	98
4) Vinyl Chloride	2.37	62	154142	50.730	ug/l	100
5) Bromomethane	2.79	94	122346	47.980	ug/l	100
6) Chloroethane	2.93	64	104832	49.379	ug/l	99
7) Trichlorofluoromethane	3.26	101	148912	55.498	ug/l	97
8) Diethyl Ether	3.68	74	63946	43.598	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	151601	52.911	ug/l	99
10) Methyl Iodide	4.26	142	258208	49.702	ug/l	100
11) Tert butyl alcohol	5.25	59	33998m	216.370	ug/l	
12) 1,1-Dichloroethene	4.03	96	143099	51.710	ug/l	98
13) Acrolein	3.90	56	51152	258.833	ug/l	99
14) Allyl chloride	4.67	41	185244	51.282	ug/l	99
15) Acrylonitrile	5.38	53	112963	214.797	ug/l	99
16) Acetone	4.15	43	133523	283.586	ug/l	99
17) Carbon Disulfide	4.37	76	424185	53.865	ug/l	100
18) Methyl Acetate	4.68	43	54989	40.615	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	189739	46.062	ug/l	98
20) Methylene Chloride	4.92	84	141482	45.874	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	158409	50.588	ug/l	99
22) Diisopropyl ether	6.32	45	359554	47.745	ug/l	99
23) Vinyl Acetate	6.26	43	986389	236.198	ug/l	100
24) 1,1-Dichloroethane	6.22	63	248642	48.717	ug/l	99
25) 2-Butanone	7.19	43	156742	233.293	ug/l	95
26) 2,2-Dichloropropane	7.17	77	176481	57.402	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	169490	48.380	ug/l	98
28) Bromochloromethane	7.51	49	90037	44.427	ug/l	100
29) Tetrahydrofuran	7.54	42	89225	211.139	ug/l	99
30) Chloroform	7.68	83	271323	48.488	ug/l	99
31) Cyclohexane	7.96	56	231406	49.816	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	246832	52.130	ug/l	100
36) 1,1-Dichloropropene	8.09	75	218940	53.443	ug/l	99
37) Ethyl Acetate	7.26	43	62373	43.935	ug/l	99
38) Carbon Tetrachloride	8.07	117	240309	56.137	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110218\
 Data File : VW006551.D
 Acq On : 01 Nov 2018 10:43
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/2/2018 3:20:49 PM

Quant Time: Nov 01 14:01:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	295658	56.870	ug/l	98
40) Benzene	8.33	78	602537	51.782	ug/l	99
41) Methacrylonitrile	7.49	41	40040	45.994	ug/l	97
42) 1,2-Dichloroethane	8.40	62	159840	47.898	ug/l	100
43) Isopropyl Acetate	8.43	43	128867	45.489	ug/l	99
44) Trichloroethene	9.09	130	188812	52.583	ug/l	98
45) 1,2-Dichloropropane	9.37	63	136488	50.403	ug/l	98
46) Dibromomethane	9.46	93	75800	47.618	ug/l	100
47) Bromodichloromethane	9.65	83	189577	51.291	ug/l	98
48) Methyl methacrylate	9.44	41	63463	46.496	ug/l	99
49) 1,4-Dioxane	9.49	88	23201	995.913	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	325803	223.927	ug/l	99
52) Toluene	10.39	92	403796	51.739	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	186917	52.547	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	222575	52.949	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	107335	47.523	ug/l	95
56) Ethyl methacrylate	10.65	69	122372	47.669	ug/l	99
57) 1,3-Dichloropropane	10.94	76	174084	47.466	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	286036	229.216	ug/l	99
59) 2-Hexanone	10.98	43	241352	244.236	ug/l	100
60) Dibromochloromethane	11.13	129	136233	50.909	ug/l	98
61) 1,2-Dibromoethane	11.24	107	107188	47.790	ug/l	99
64) Tetrachloroethene	10.87	164	169125	50.344	ug/l	99
65) Chlorobenzene	11.66	112	465314	52.471	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	163720	52.526	ug/l	99
67) Ethyl Benzene	11.74	91	806768	54.428	ug/l	99
68) m/p-Xylenes	11.84	106	646721	109.207	ug/l	99
69) o-Xylene	12.17	106	303838	53.893	ug/l	99
70) Styrene	12.19	104	491420	53.464	ug/l	100
71) Bromoform	12.35	173	85337	51.649	ug/l #	99
73) Isopropylbenzene	12.47	105	863073	56.000	ug/l	100
74) N-amyl acetate	12.28	43	127991	48.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	116484	47.853	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	107544m	58.915	ug/l	
77) Bromobenzene	12.76	156	206189	51.672	ug/l	99
78) n-propylbenzene	12.81	91	995679	56.167	ug/l	100
79) 2-Chlorotoluene	12.90	91	550393	54.100	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	719055	55.534	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	34998	49.671	ug/l	96
82) 4-Chlorotoluene	12.99	91	582739	54.142	ug/l	100
83) tert-Butylbenzene	13.21	119	647932	56.114	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	730445	55.000	ug/l	100
85) sec-Butylbenzene	13.39	105	922434	57.040	ug/l	99
86) p-Isopropyltoluene	13.51	119	841803	57.207	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	418505	53.255	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	409510	52.571	ug/l	99
89) n-Butylbenzene	13.83	91	757645	58.003	ug/l	100
90) Hexachloroethane	14.10	117	138926	57.444	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	361652	51.162	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18554	46.975	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110218\
Data File : VW006551.D
Acq On : 01 Nov 2018 10:43
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

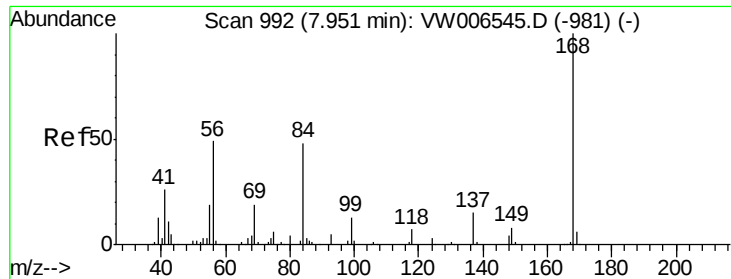
Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM

Quant Time: Nov 01 14:01:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	278288	52.945	ug/l	100
94) Hexachlorobutadiene	15.24	225	183045	55.876	ug/l	99
95) Naphthalene	15.38	128	418149	49.498	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	234736	50.813	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 339267

Ion Ratio Lower Upper

168 100

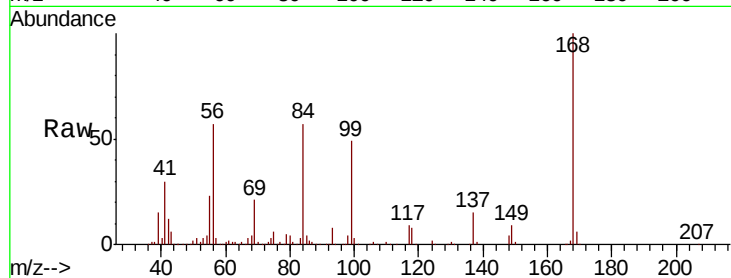
99 48.9 37.4 56.0

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:49 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

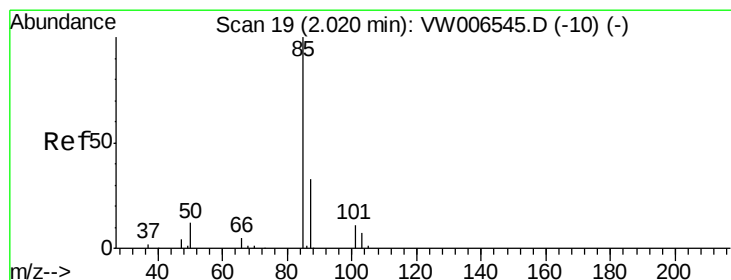
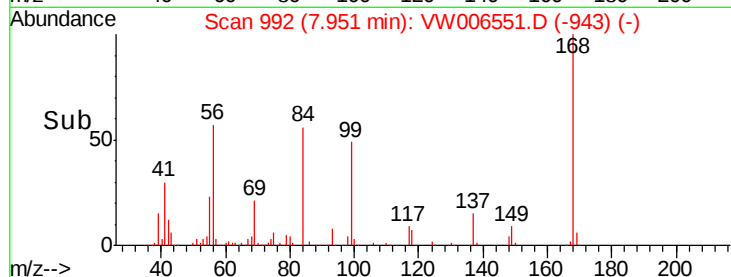
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 52.178 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.00 min

Lab File: VW006551.D

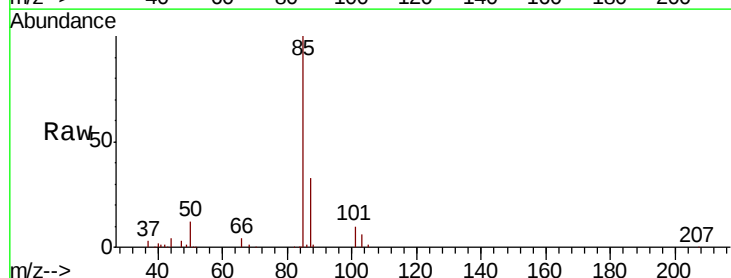
Acq: 01 Nov 2018 10:43

Tgt Ion: 85 Resp: 91768

Ion Ratio Lower Upper

85 100

87 32.9 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

25000

20000

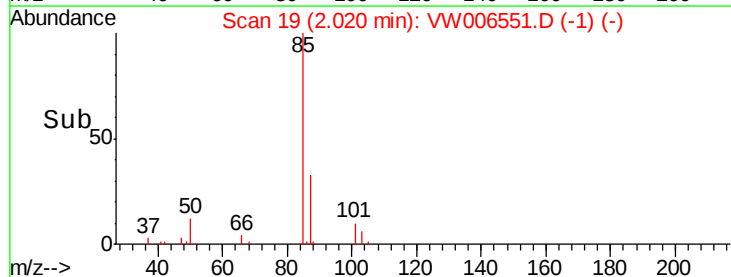
15000

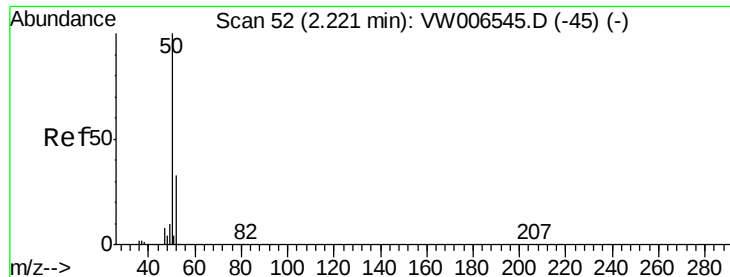
10000

5000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 48.556 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 105661

Ion Ratio Lower Upper

50 100

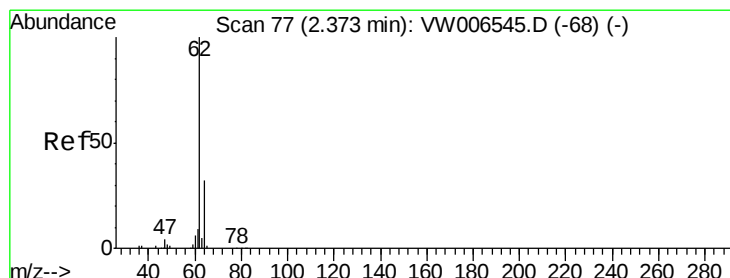
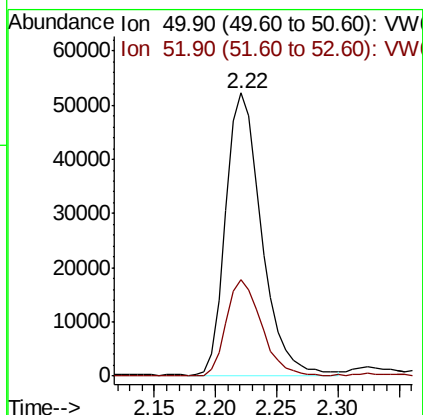
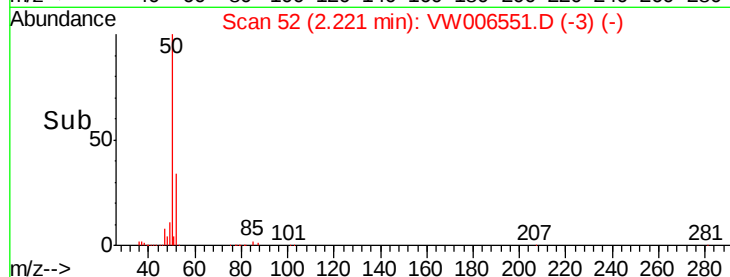
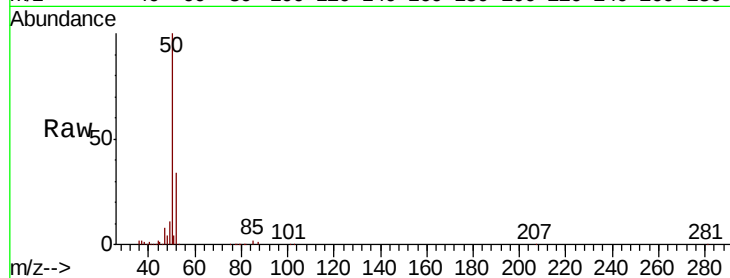
52 34.0 26.2 39.4

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:49 PM



#4

Vinyl Chloride

Concen: 50.730 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006551.D

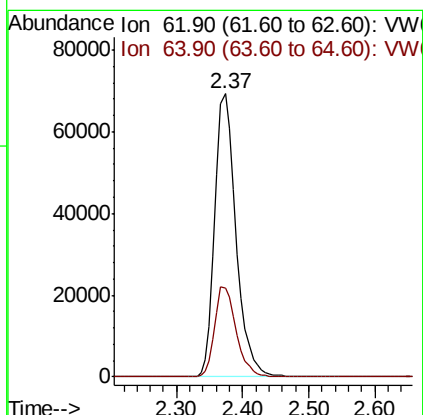
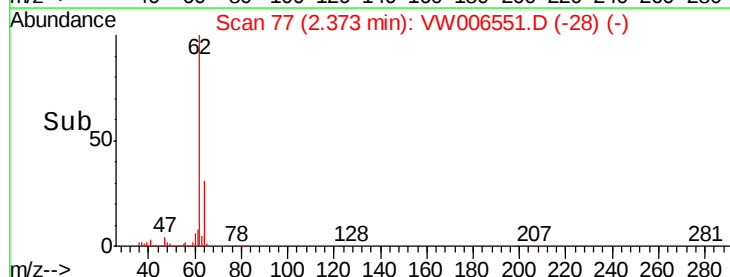
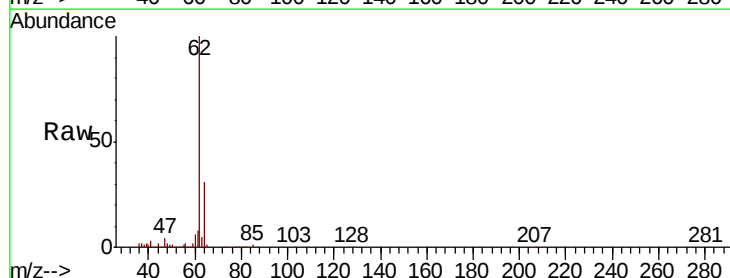
Acq: 01 Nov 2018 10:43

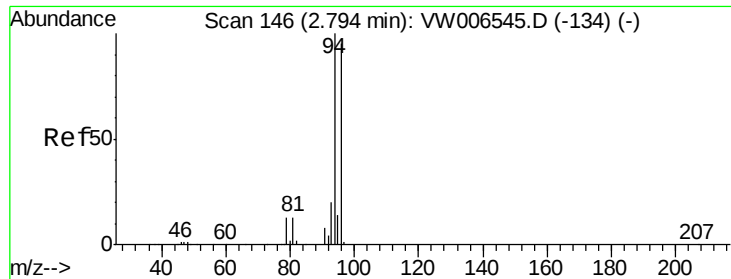
Tgt Ion: 62 Resp: 154142

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 47.980 ug/l

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 122346

Ion Ratio Lower Upper

94 100

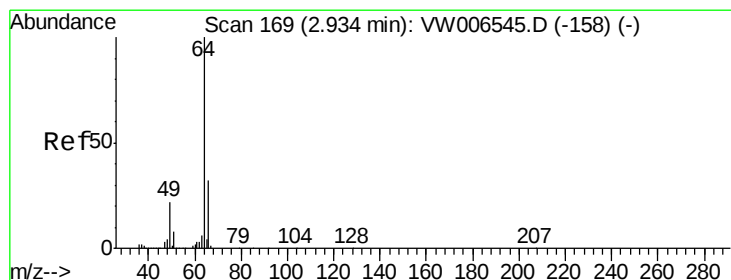
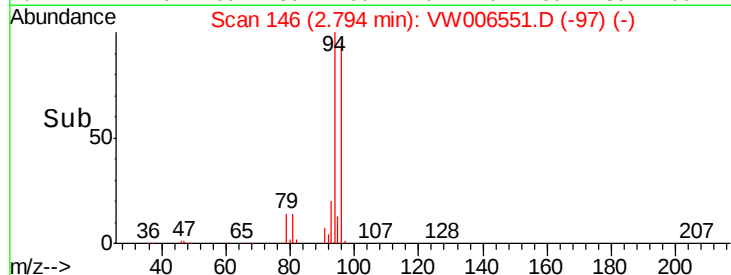
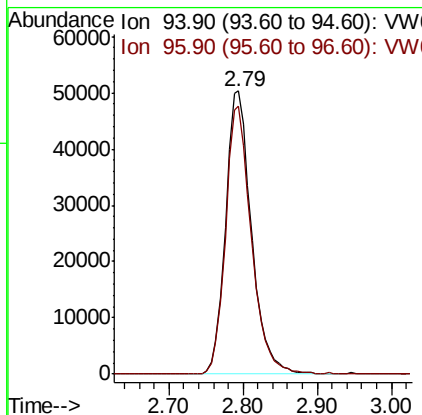
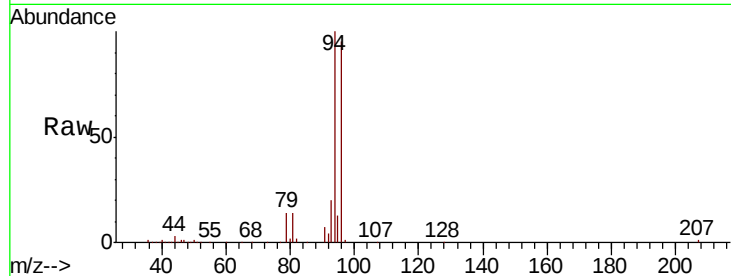
96 94.6 75.7 113.5

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:49 PM



#6

Chloroethane

Concen: 49.379 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW006551.D

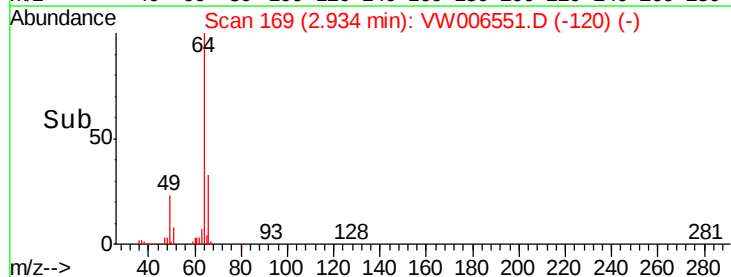
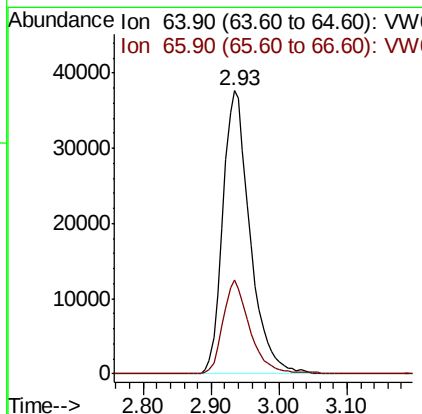
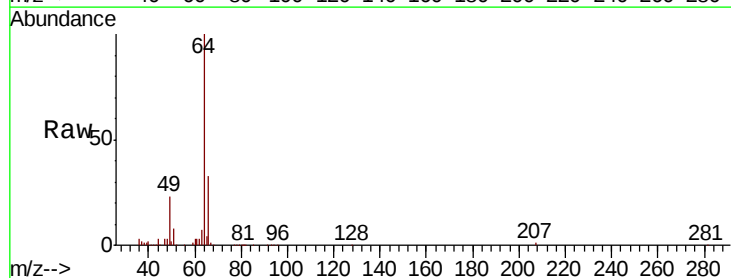
Acq: 01 Nov 2018 10:43

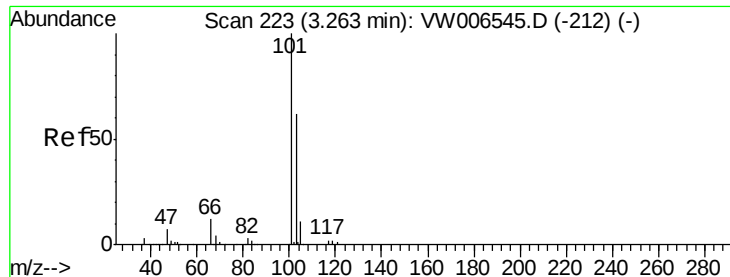
Tgt Ion: 64 Resp: 104832

Ion Ratio Lower Upper

64 100

66 33.2 25.9 38.9





#7

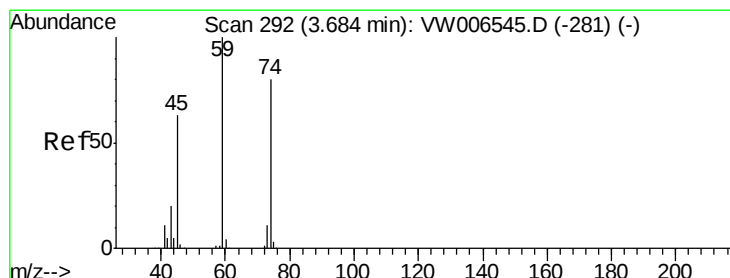
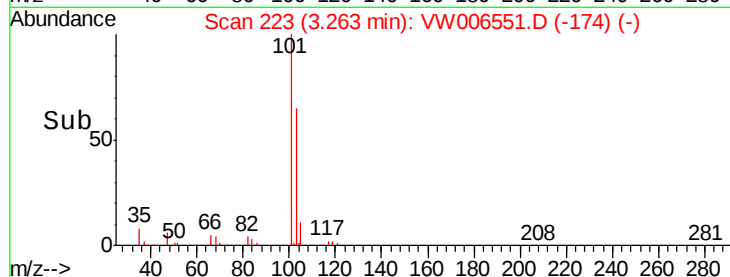
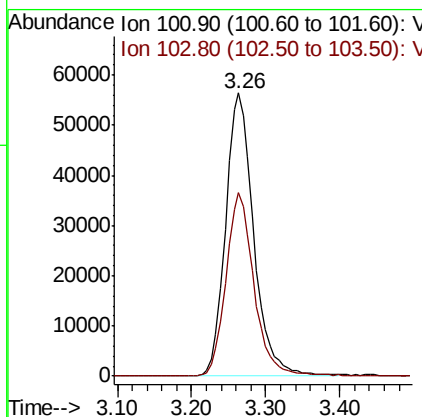
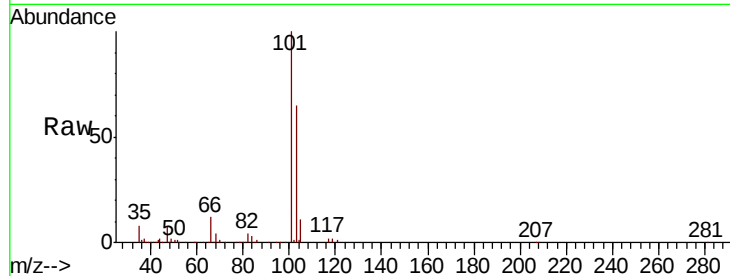
Trichlorofluoromethane
 Concen: 55.498 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	49.8	74.8

Manual Integrations
 APPROVED

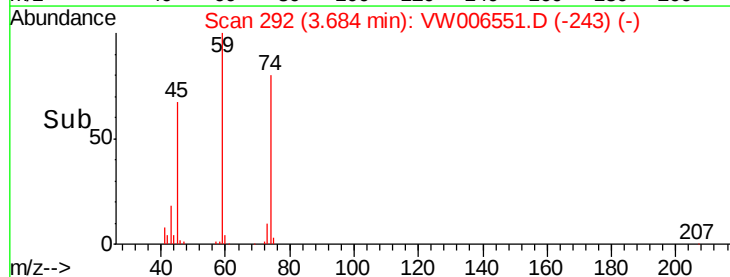
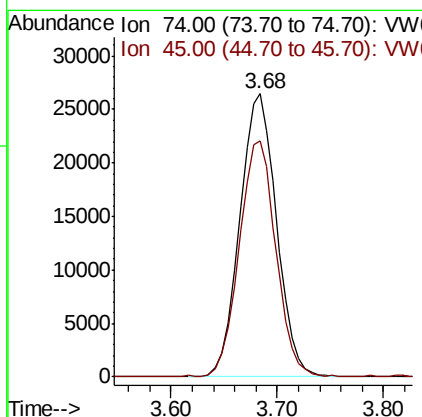
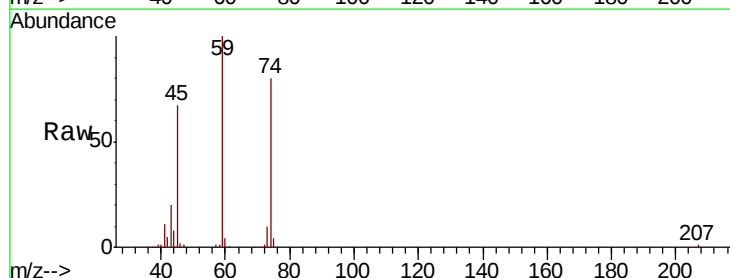
apatel
 11/2/2018 3:20:49 PM

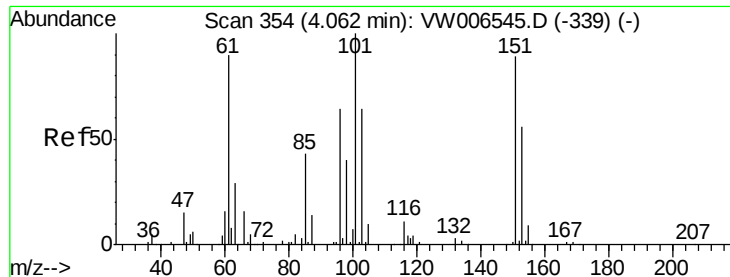


#8

Diethyl Ether
 Concen: 43.598 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.6	41.1	123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.911 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

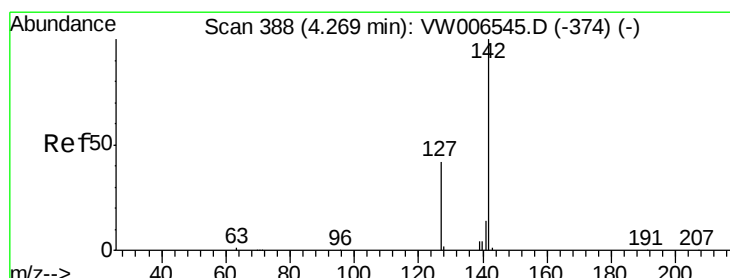
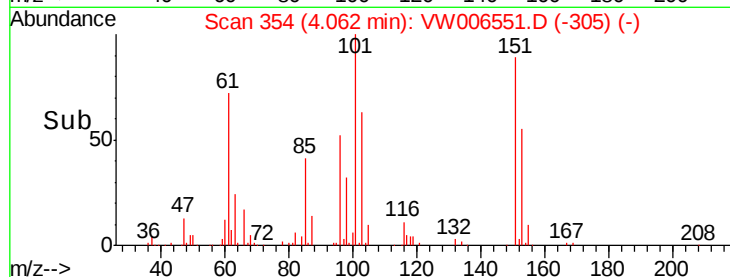
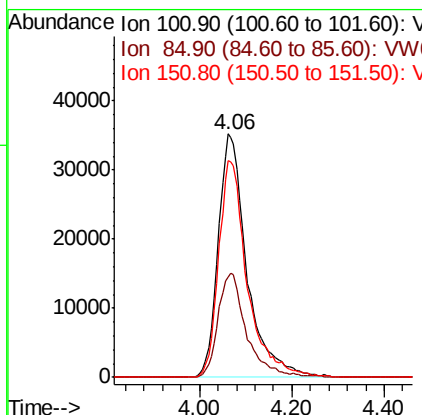
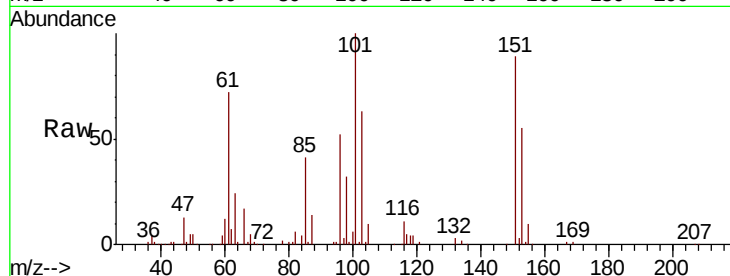
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	151601
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.2
151	89.2	70.7	106.1

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM



#10

Methyl Iodide

Concen: 49.702 ug/l

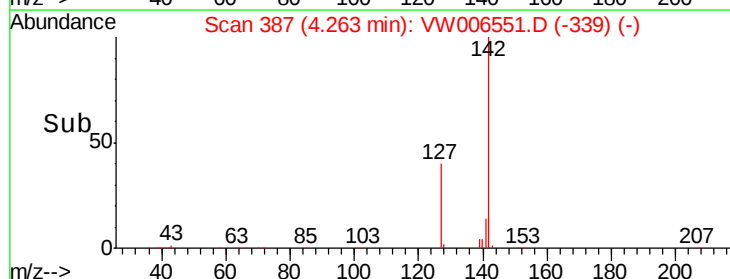
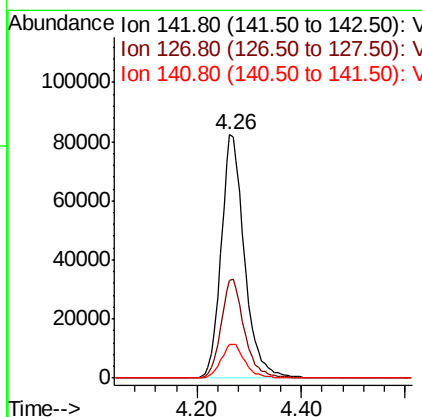
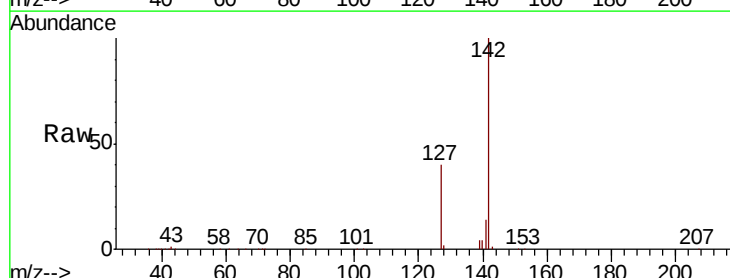
RT: 4.26 min Scan# 387

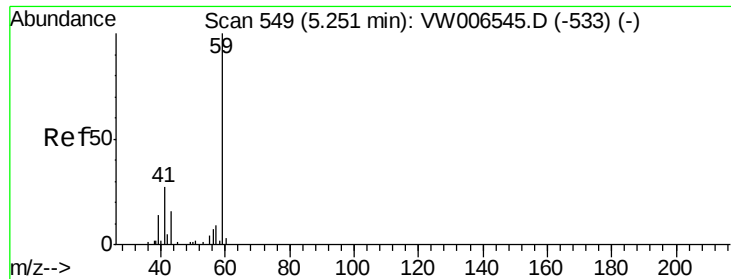
Delta R.T. -0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tgt Ion:	142	Resp:	258208
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.3	48.5
141	14.2	11.3	16.9





#11

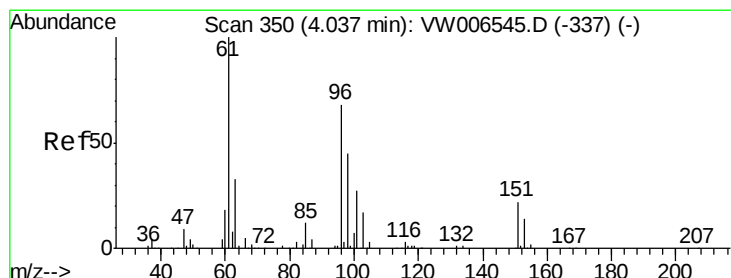
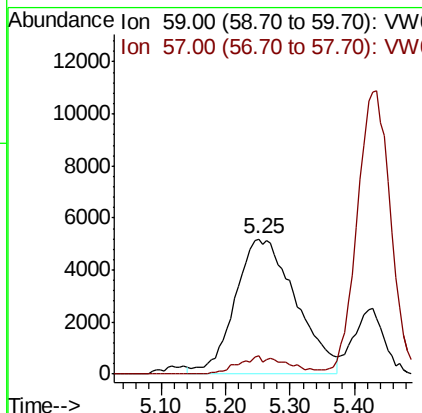
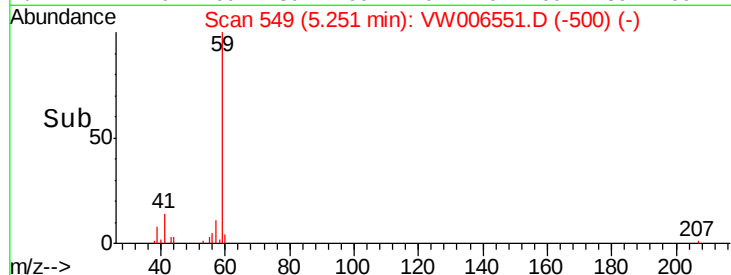
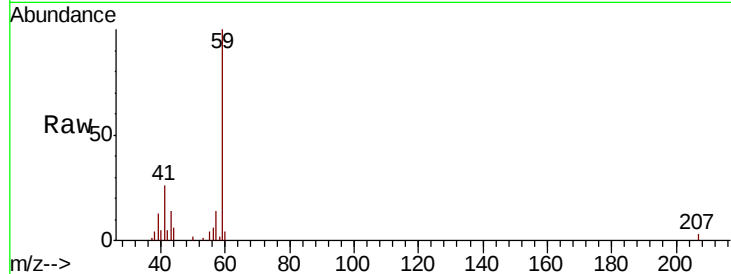
Tert butyl alcohol
Concen: 216.370 ug/l m
RT: 5.25 min Scan# 549
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	Lower	Upper
59	100				
57	5.3		4.3	6.5	

Manual Integrations
APPROVED

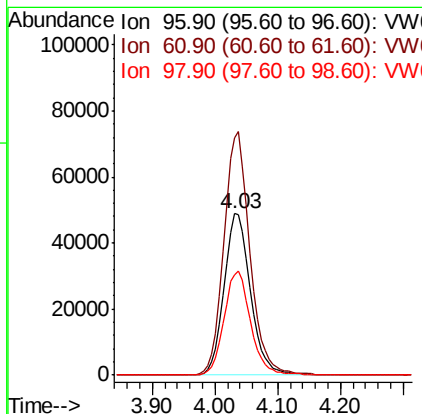
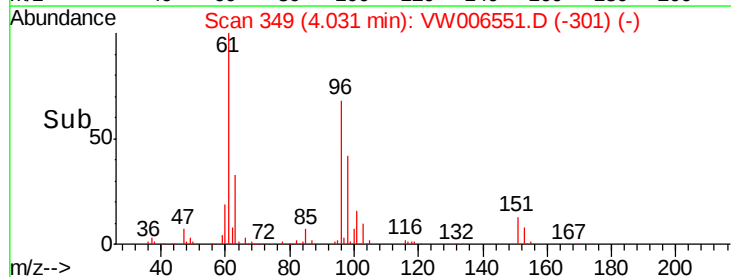
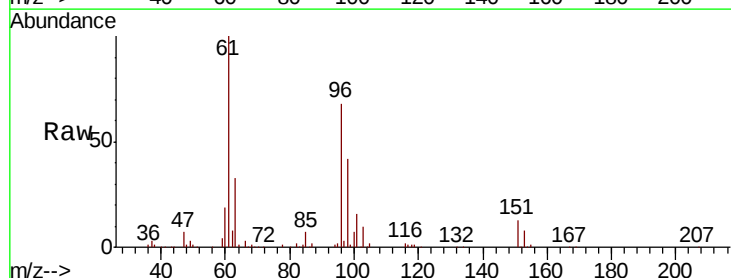
apatel
11/2/2018 3:20:49 PM

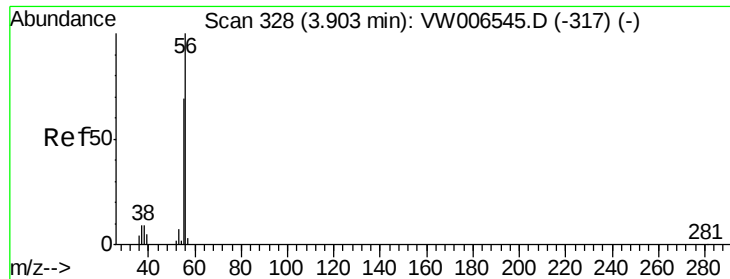


#12

1,1-Dichloroethene
Concen: 51.710 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	96	61	98	Ratio	Lower	Upper
96	100					
61	147.5			117.0	175.4	
98	62.3			52.5	78.7	





#13

Acrolein

Concen: 258.833 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 51152

Ion Ratio Lower Upper

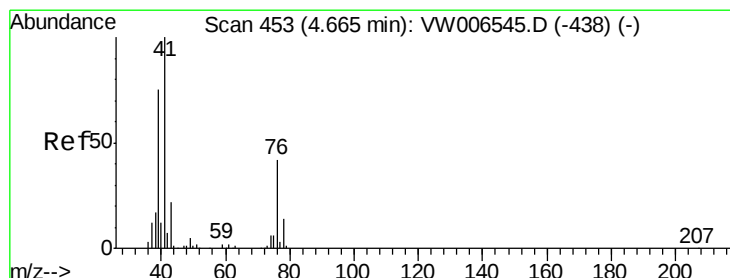
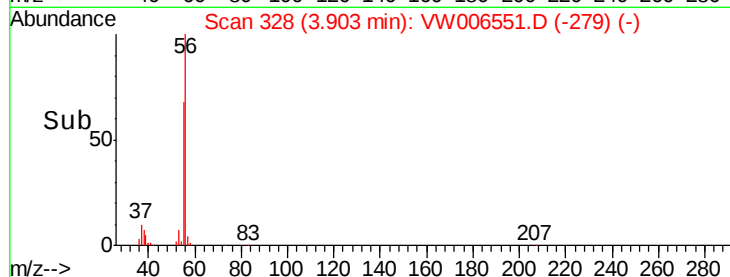
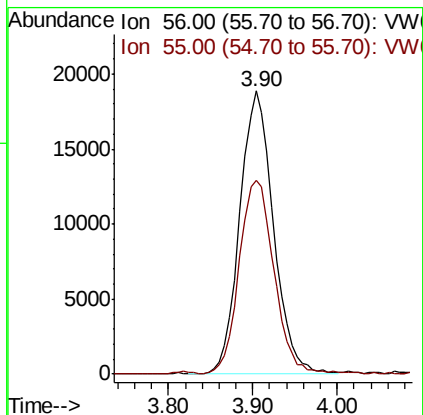
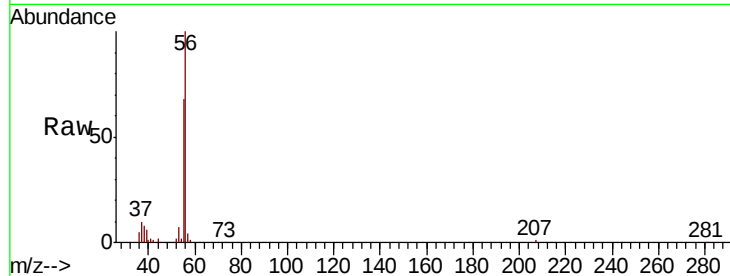
56 100

55 70.6 56.9 85.3

Manual Integrations
APPROVED

apatel

11/2/2018 3:20:49 PM



#14

Allyl chloride

Concen: 51.282 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

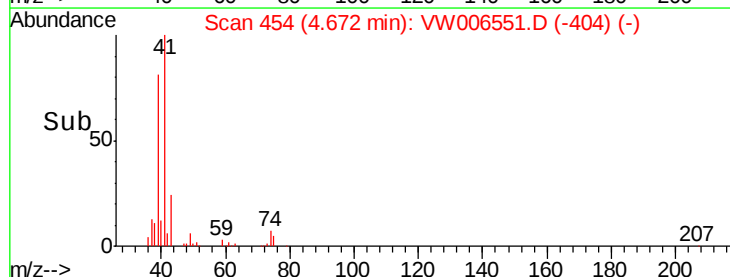
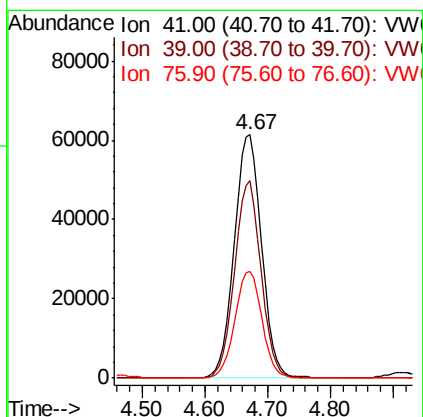
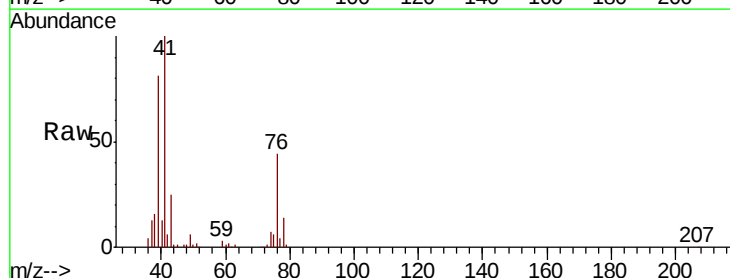
Tgt Ion: 41 Resp: 185244

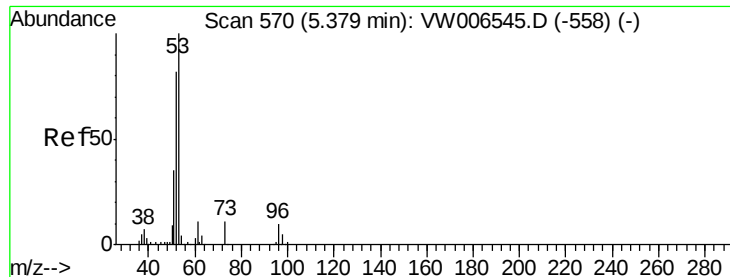
Ion Ratio Lower Upper

41 100

39 78.0 62.1 93.1

76 43.4 34.2 51.2





#15

Acrylonitrile

Concen: 214.797 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

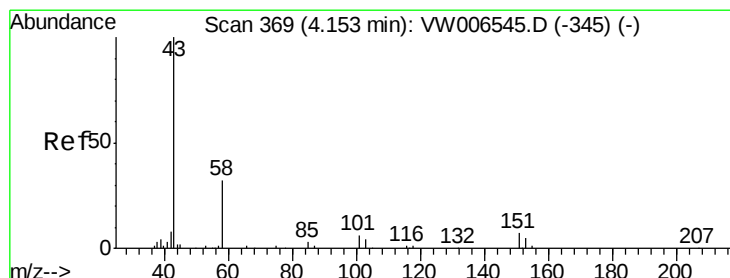
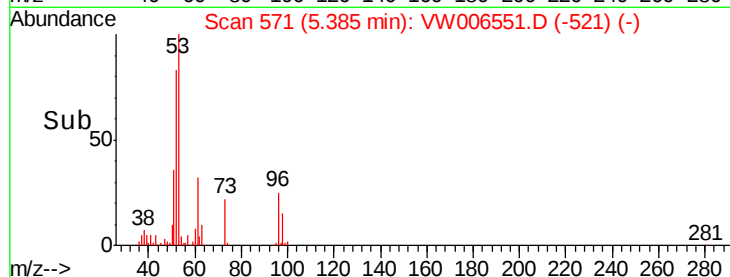
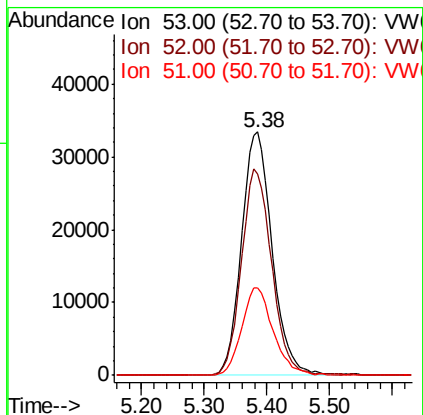
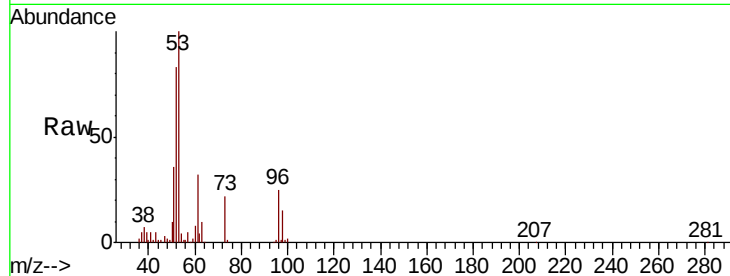
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	112963
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.8	98.8
51	37.1	29.6	44.4

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM



#16

Acetone

Concen: 283.586 ug/l

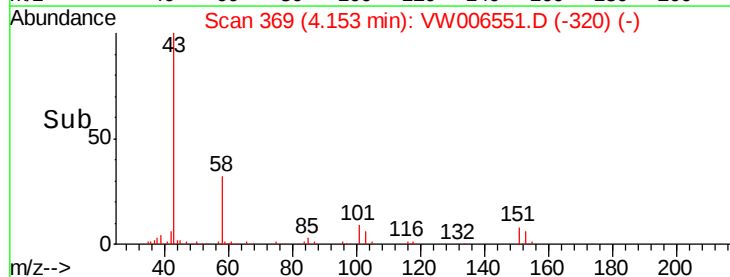
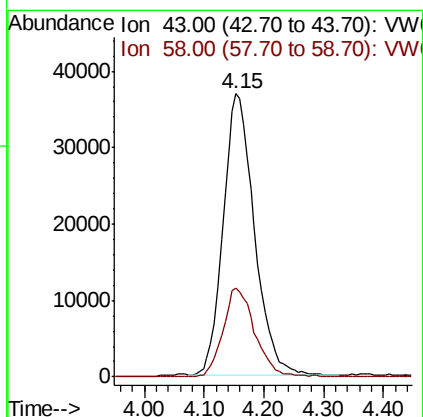
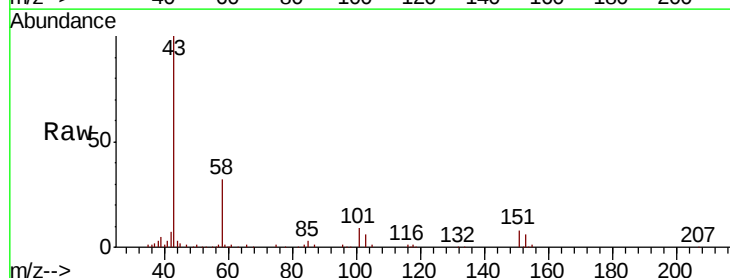
RT: 4.15 min Scan# 369

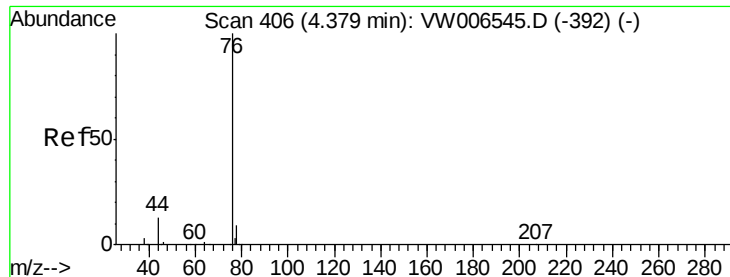
Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tgt Ion:	43	Resp:	133523
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.8	38.8





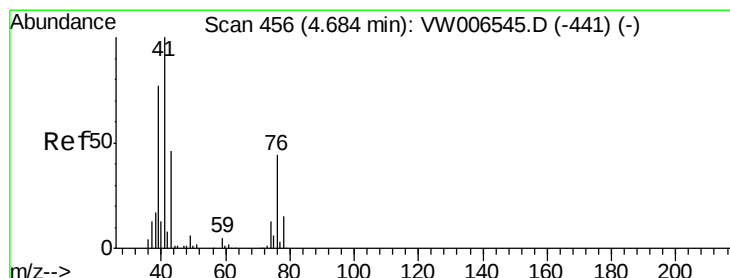
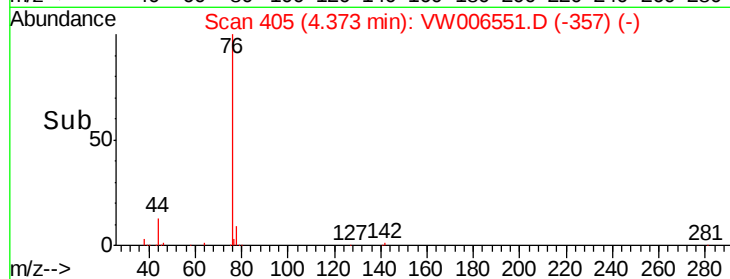
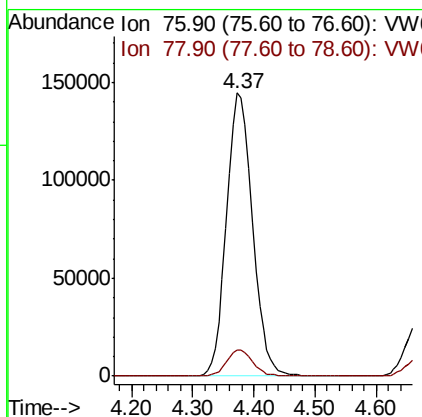
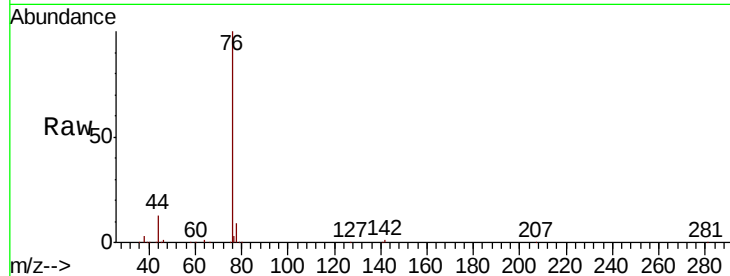
#17
Carbon Disulfide
Concen: 53.865 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

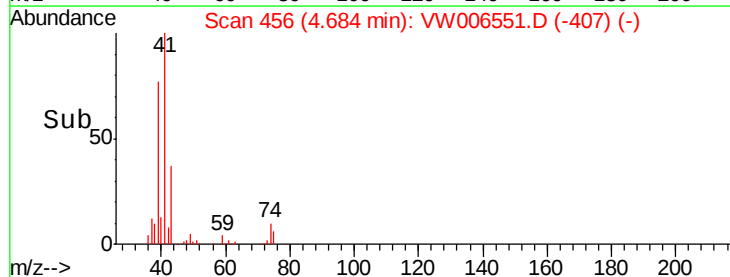
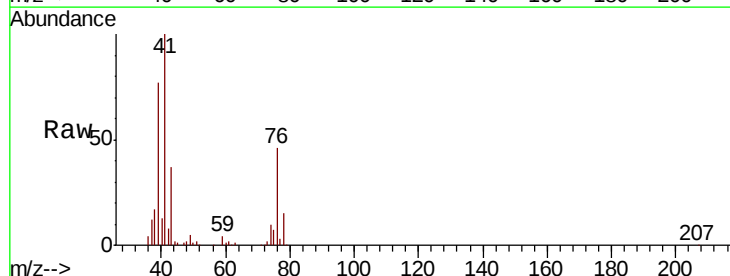
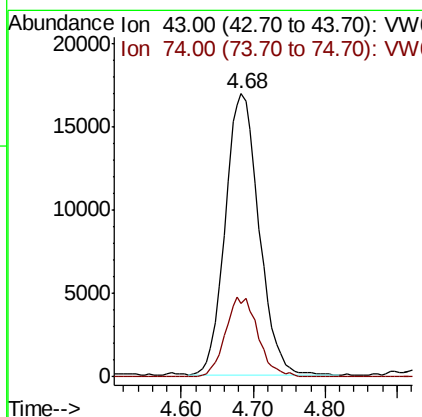
Manual Integrations
APPROVED

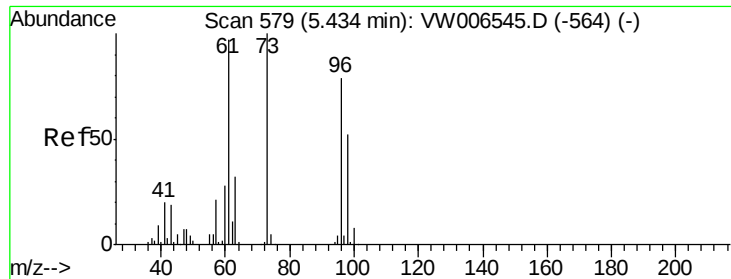
apatel
11/2/2018 3:20:49 PM



#18
Methyl Acetate
Concen: 40.615 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.3	21.9	32.9





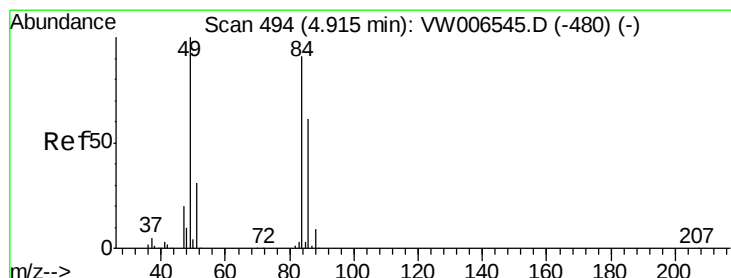
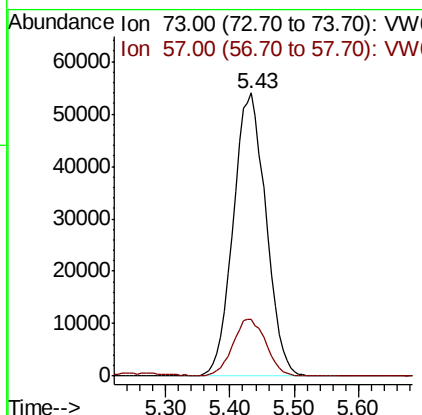
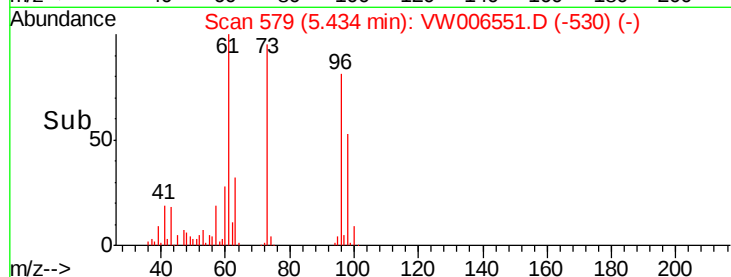
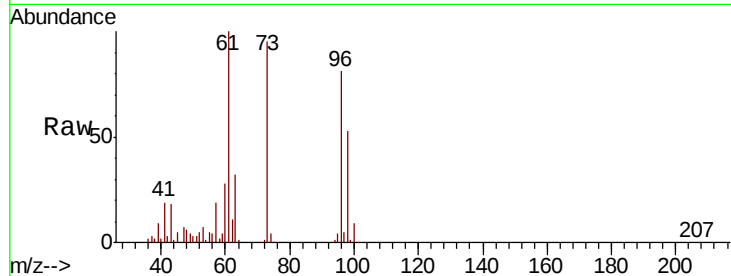
#19
Methvl tert-butvl Ether
Concen: 46.062 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 189739
Ion Ratio Lower Upper
73 100
57 20.2 16.7 25.1

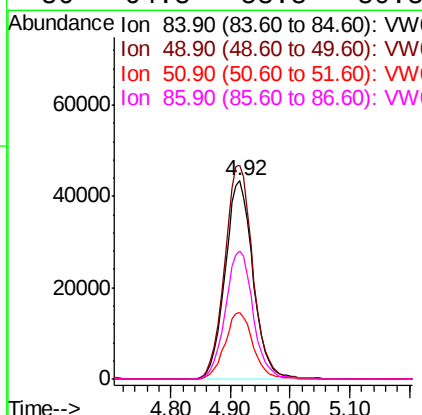
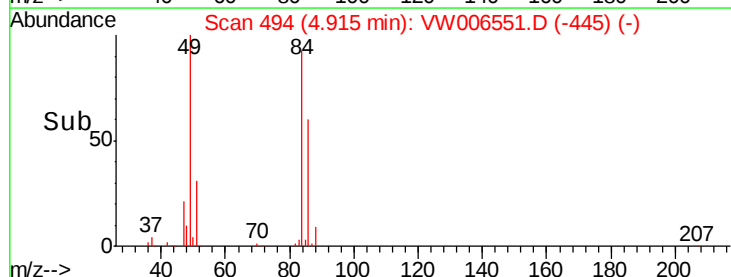
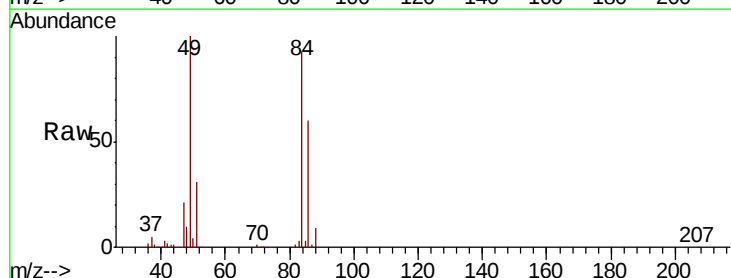
Manual Integrations
APPROVED

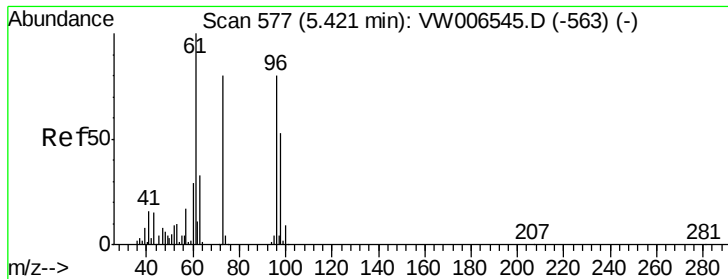
apatel
11/2/2018 3:20:49 PM



#20
Methylene Chloride
Concen: 45.874 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion: 84 Resp: 141482
Ion Ratio Lower Upper
84 100
49 107.9 88.2 132.4
51 33.4 27.0 40.6
86 64.8 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 50.588 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

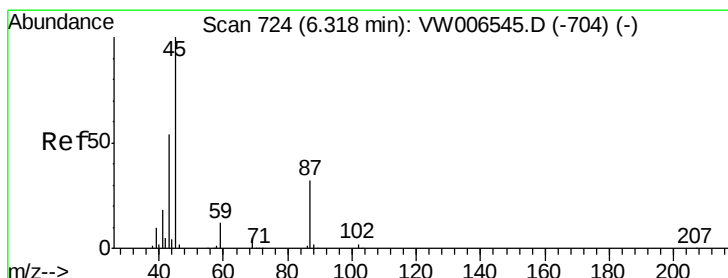
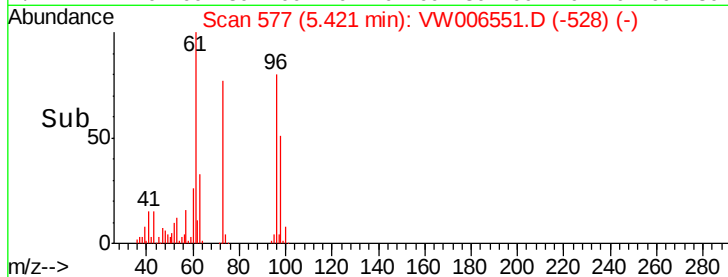
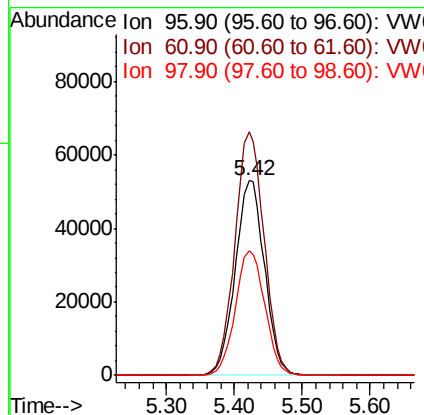
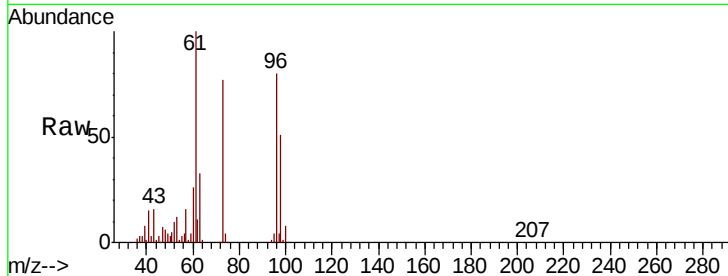
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	158409
Ion	Ratio	Lower	Upper
96	100		
61	125.0	100.6	150.8
98	64.2	52.9	79.3

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM



#22

Diisopropyl ether

Concen: 47.745 ug/l

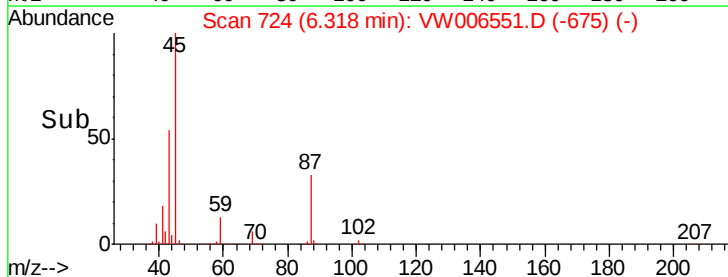
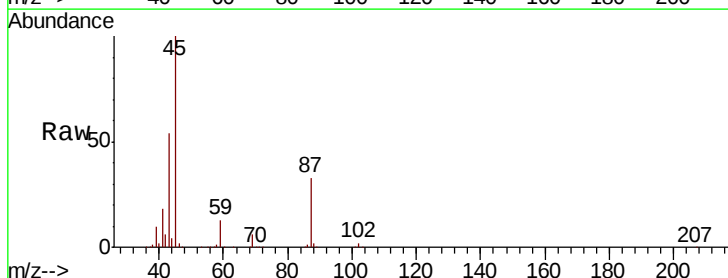
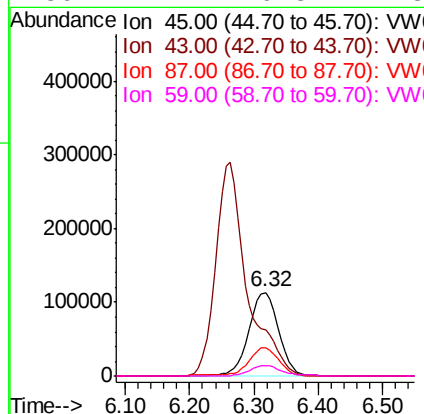
RT: 6.32 min Scan# 724

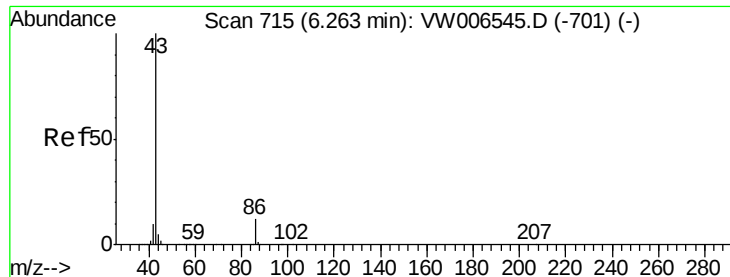
Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tgt Ion:	45	Resp:	359554
Ion	Ratio	Lower	Upper
45	100		
43	53.9	43.6	65.4
87	33.1	26.3	39.5
59	12.4	9.8	14.8





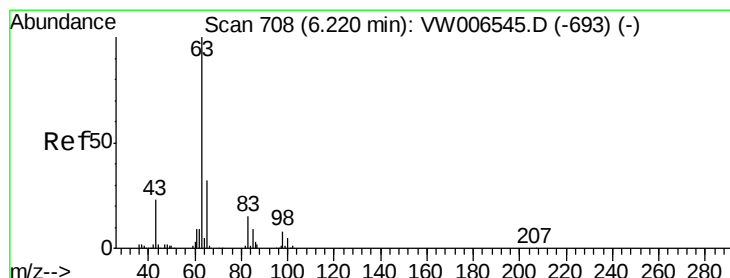
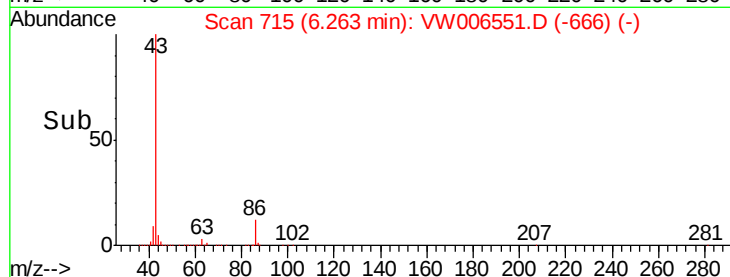
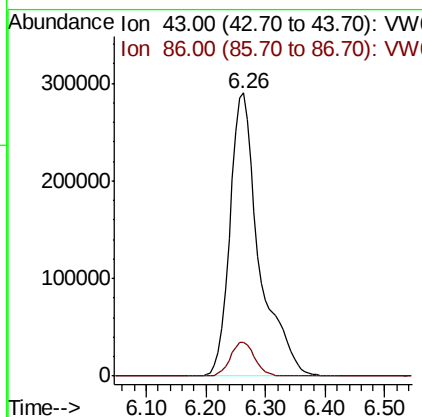
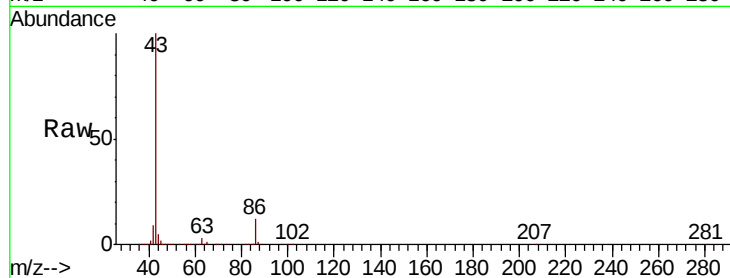
#23
 Vinyl Acetate
 Concen: 236.198 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.8	14.8

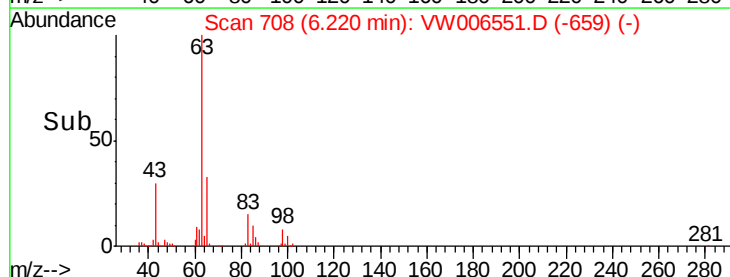
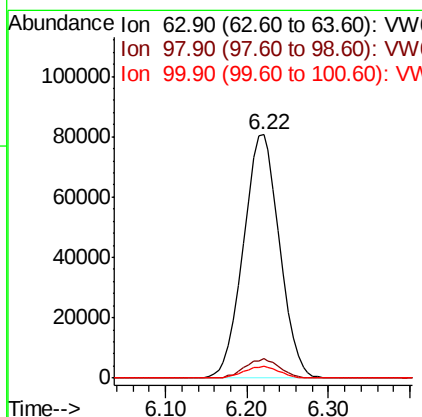
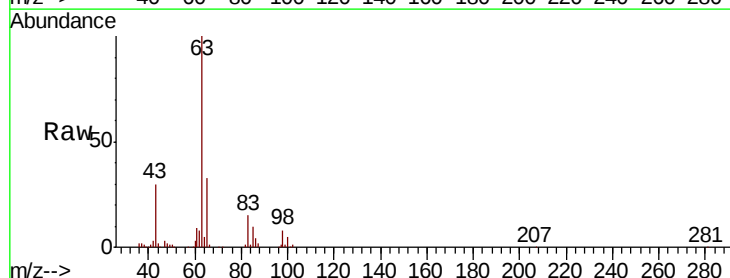
Manual Integrations
 APPROVED

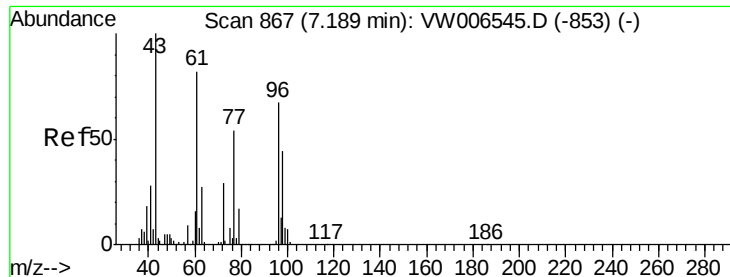
apatel
 11/2/2018 3:20:49 PM



#24
 1,1-Dichloroethane
 Concen: 48.717 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.8	11.4
100	4.7	2.4	7.2





#25

2-Butanone

Concen: 233.293 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 156742

Ion Ratio Lower Upper

43 100

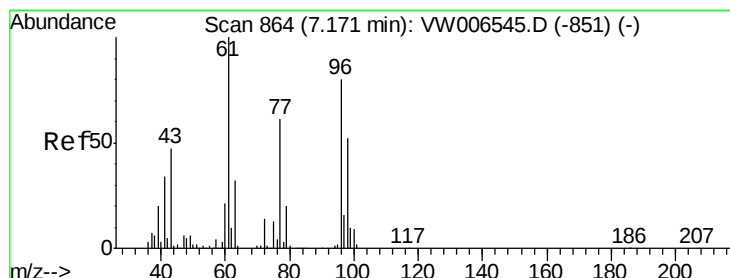
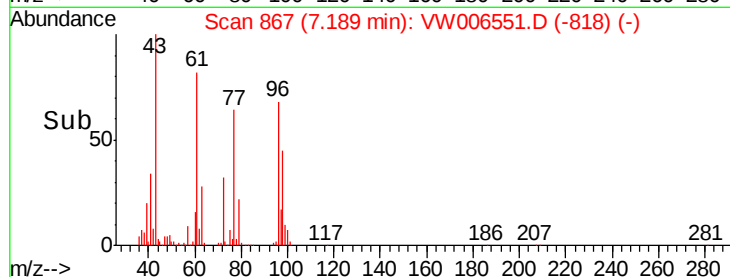
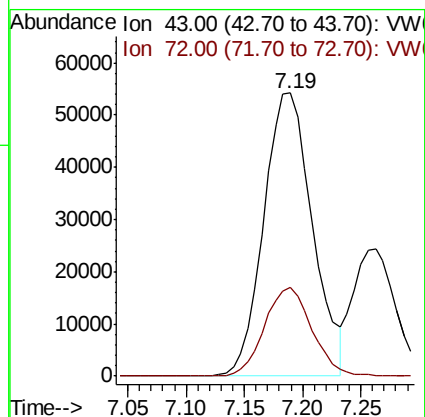
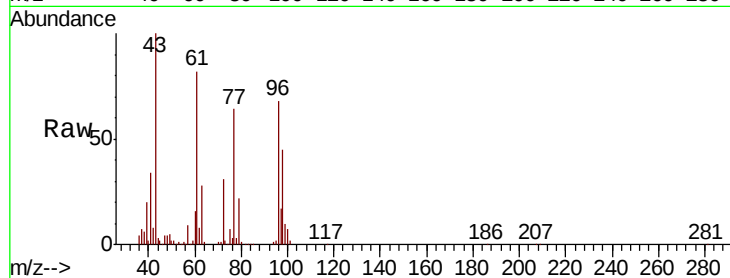
72 31.5 23.2 34.8

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:49 PM



#26

2,2-Dichloropropane

Concen: 57.402 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006551.D

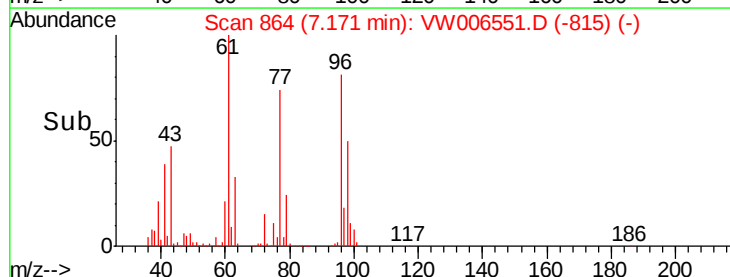
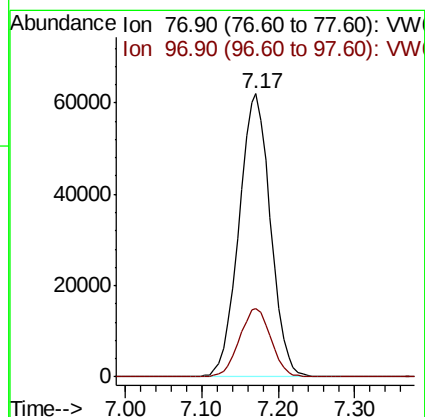
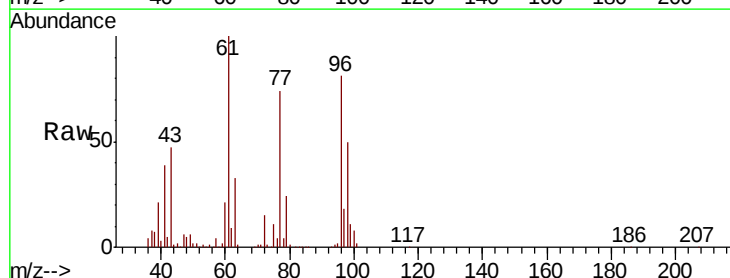
Acq: 01 Nov 2018 10:43

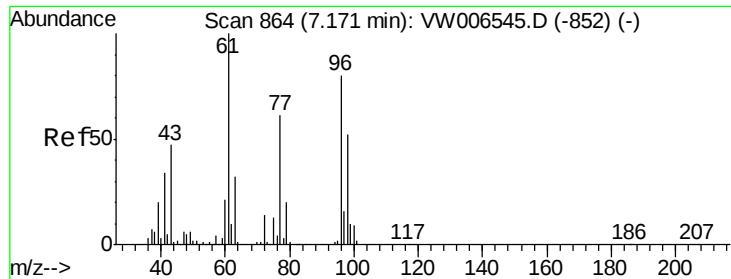
Tgt Ion: 77 Resp: 176481

Ion Ratio Lower Upper

77 100

97 24.3 12.8 38.4





#27

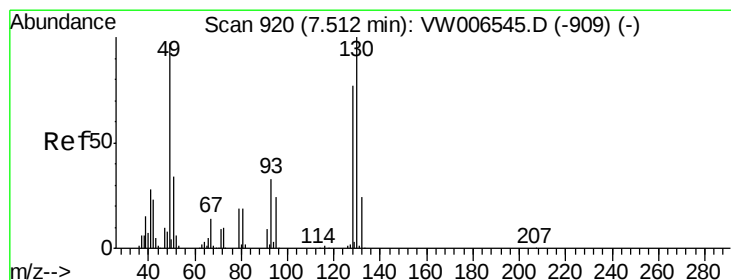
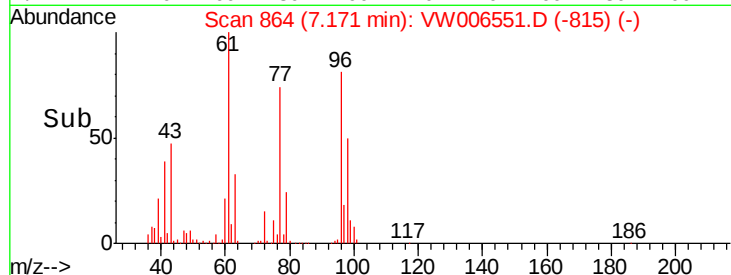
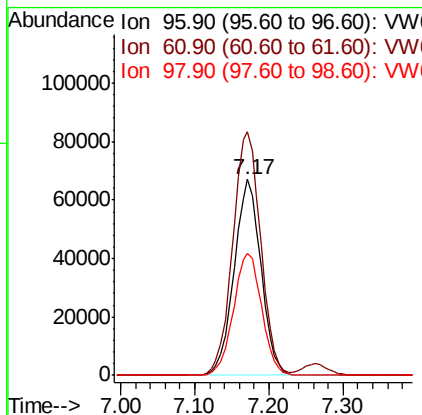
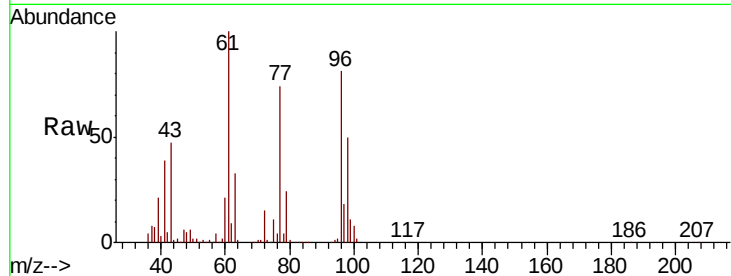
cis-1,2-Dichloroethene
Concen: 48.380 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	169490		
61	129.4	0.0	254.2	
98	65.2	0.0	129.6	

Manual Integrations
APPROVED

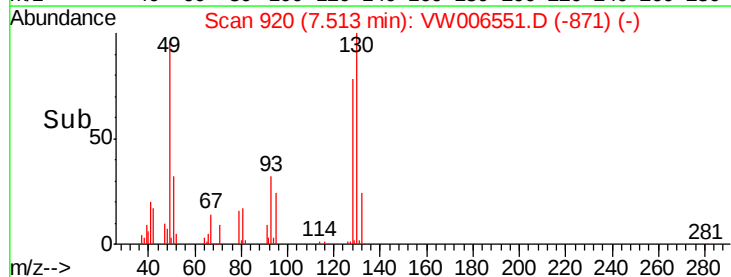
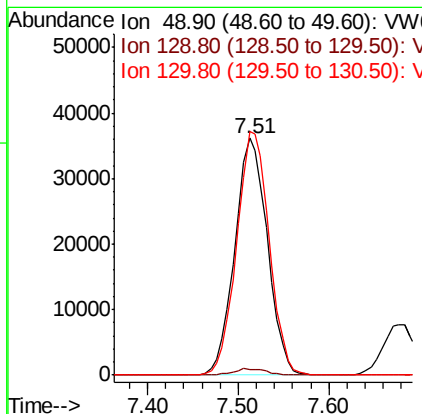
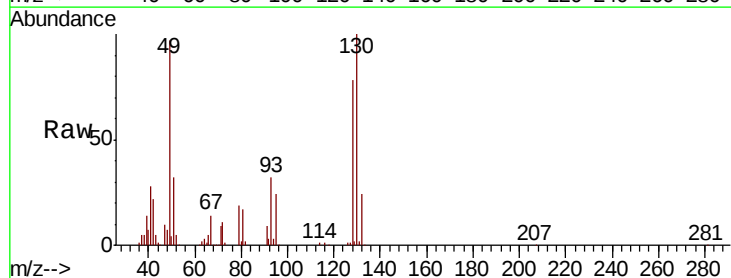
apatel
11/2/2018 3:20:49 PM

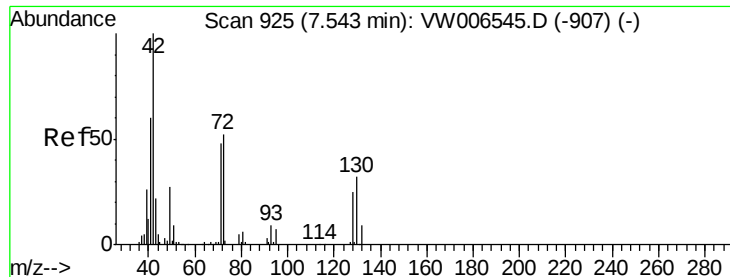


#28

Bromochloromethane
Concen: 44.427 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	90037		
129	2.7	0.0	5.6	
130	102.2	82.2	123.2	





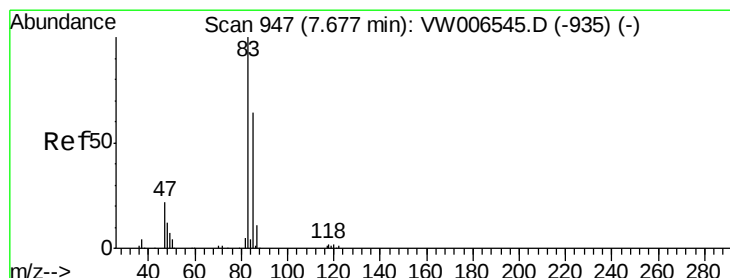
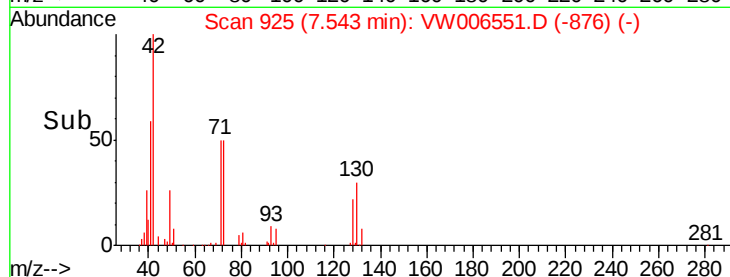
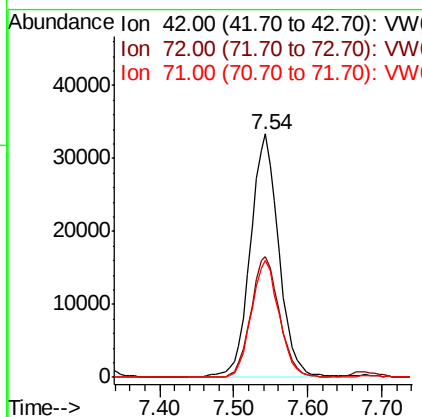
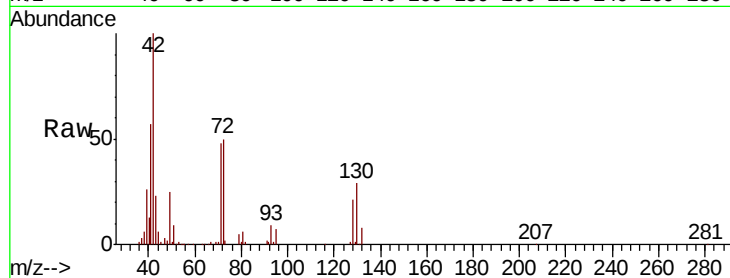
#29
Tetrahydrofuran
Concen: 211.139 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	39.2	58.8
71	47.1	37.6	56.4

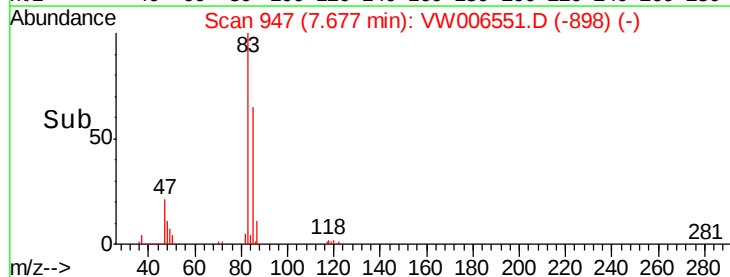
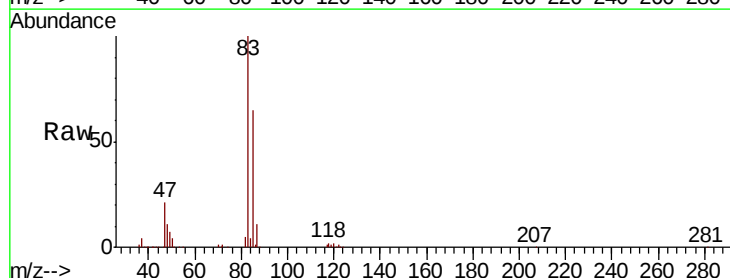
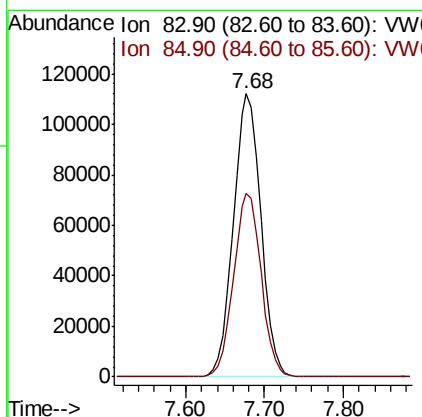
Manual Integrations
APPROVED

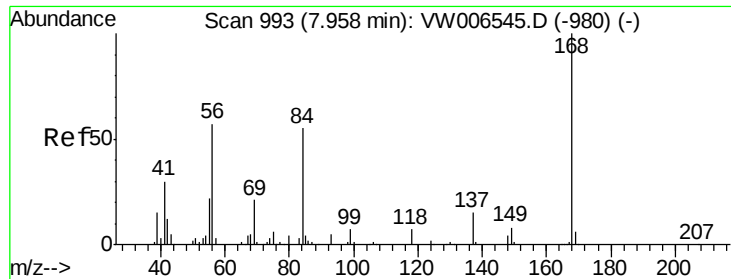
apatel
11/2/2018 3:20:49 PM



#30
Chloroform
Concen: 48.488 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.3	76.9





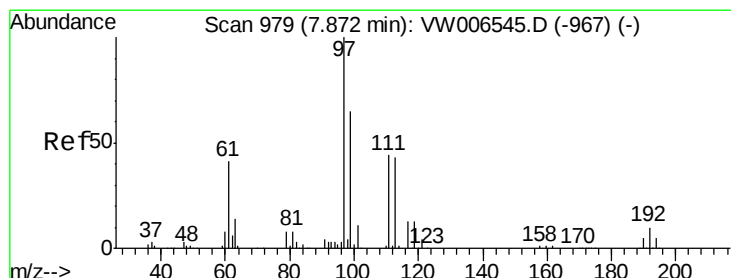
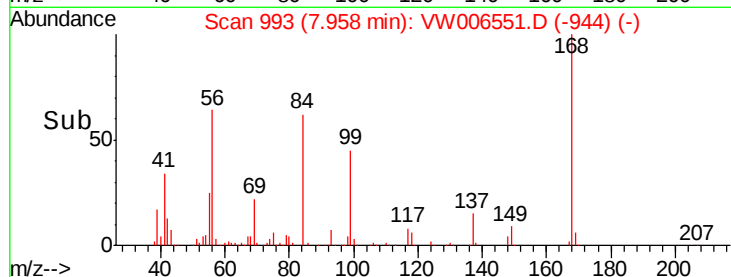
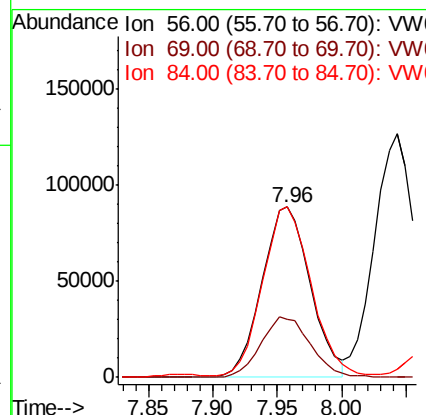
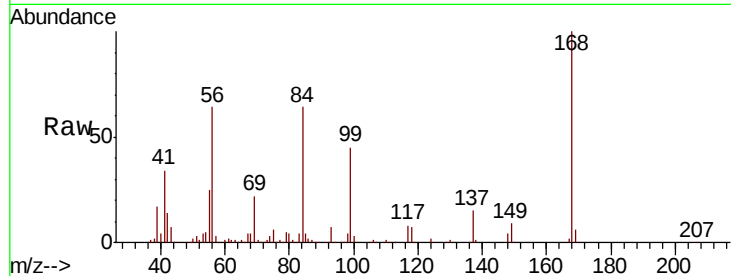
#31
Cyclohexane
Concen: 49.816 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	29.0	43.4
84	98.6	77.8	116.6

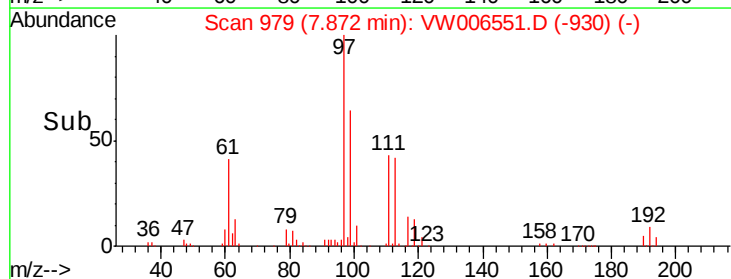
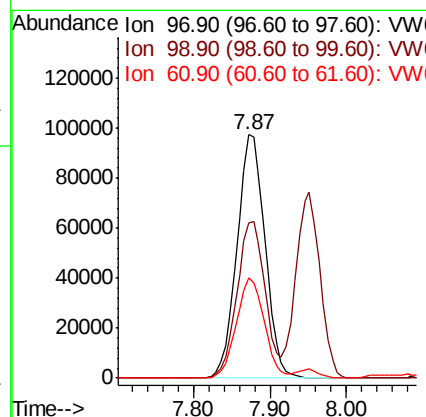
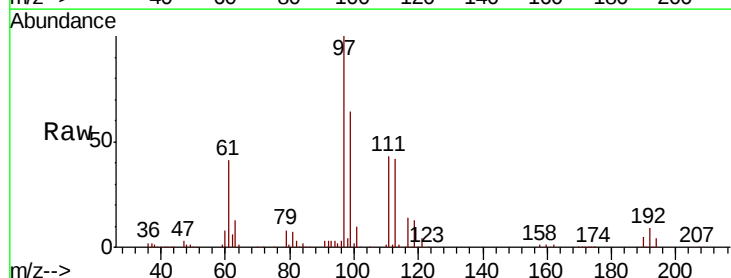
Manual Integrations
APPROVED

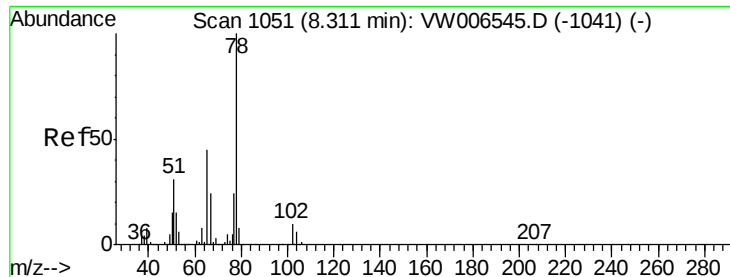
apatel
11/2/2018 3:20:49 PM



#32
1,1,1-Trichloroethane
Concen: 52.130 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	41.1	32.9	49.3





#33

1,2-Dichloroethane-d4

Concen: 45.781 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 133513

Ion Ratio Lower Upper

65 100

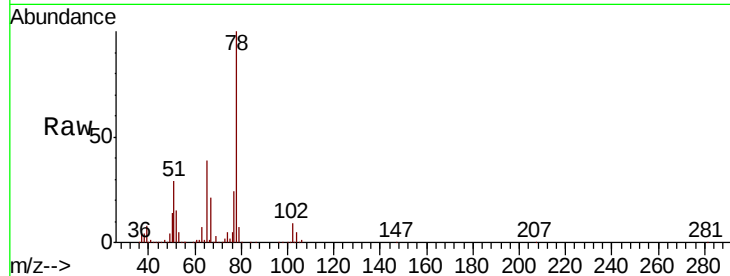
67 52.7 0.0 104.4

Manual Integrations

APPROVED

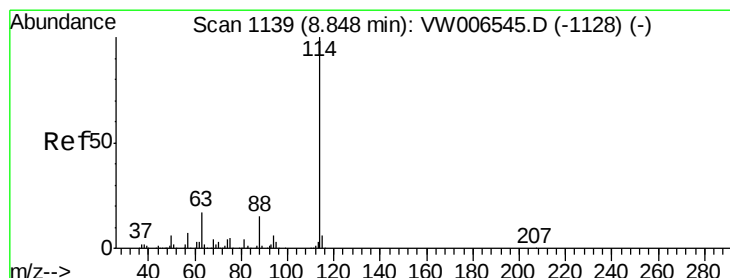
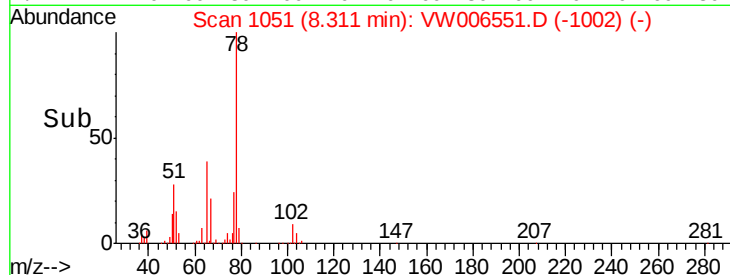
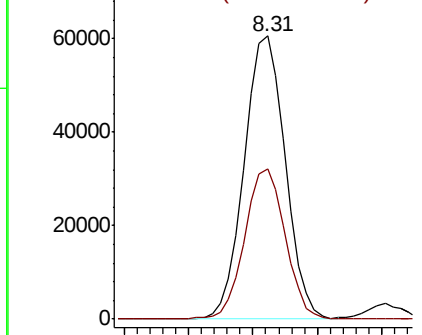
apatel

11/2/2018 3:20:49 PM



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

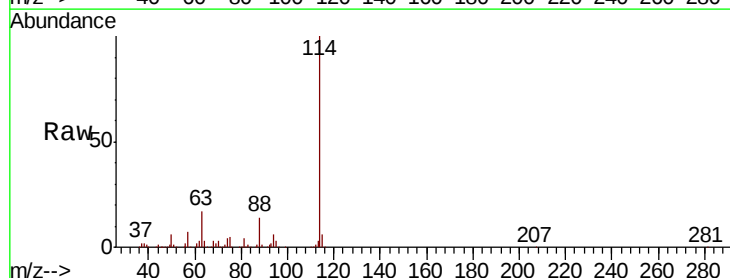
Tgt Ion: 114 Resp: 465849

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

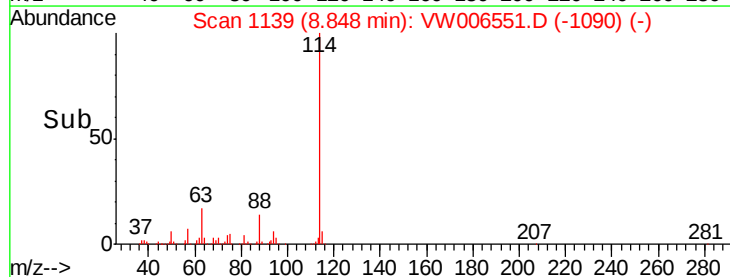
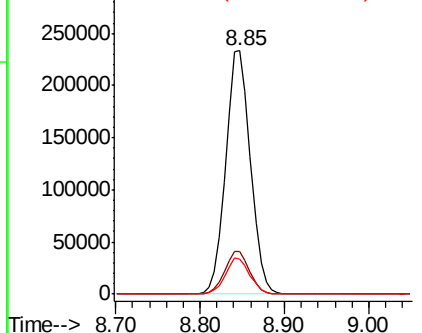
88 14.4 0.0 29.0

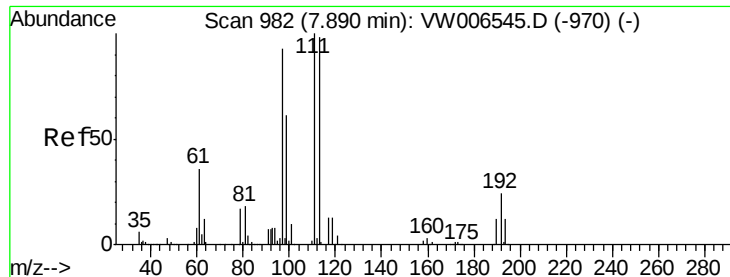


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 51.235 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

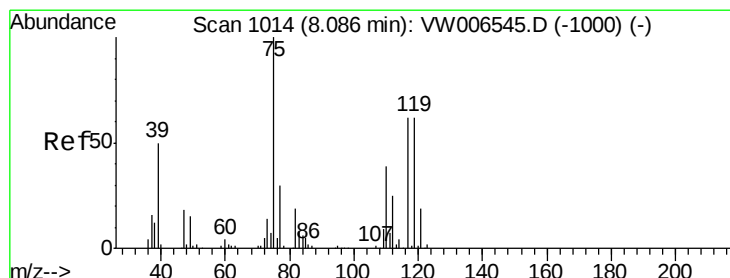
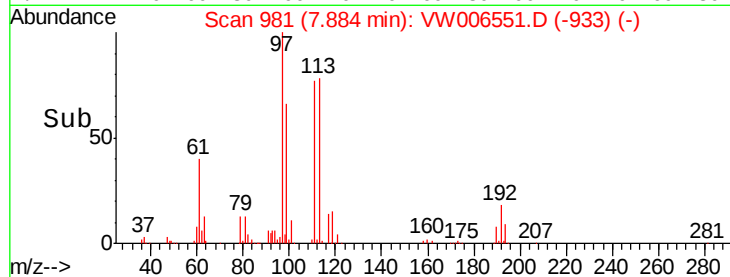
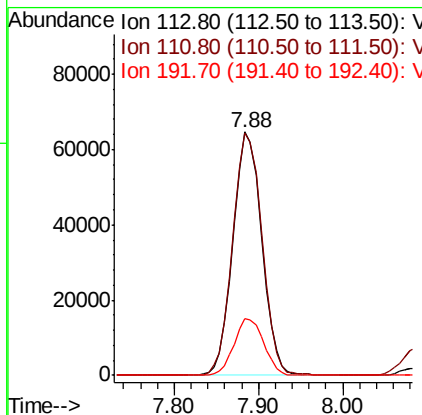
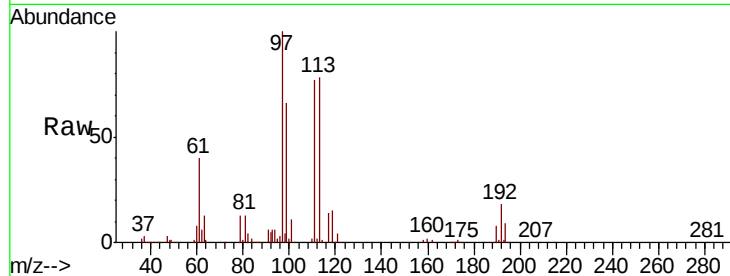
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	149788
Ion Ratio	Lower	Upper	
113	100		
111	101.4	82.2	123.2
192	23.8	19.0	28.6

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM



#36

1,1-Dichloropropene

Concen: 53.443 ug/l

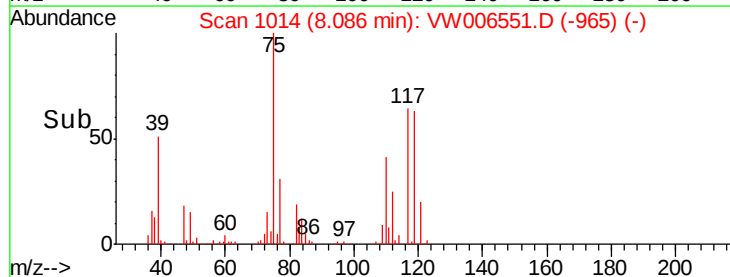
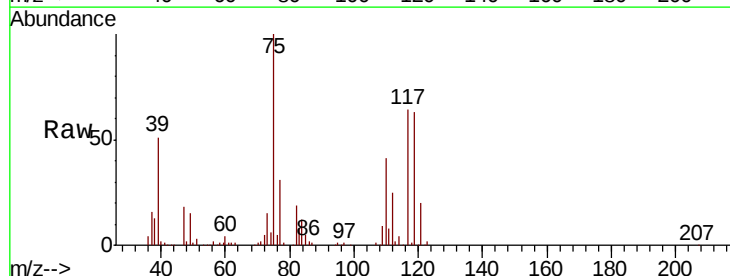
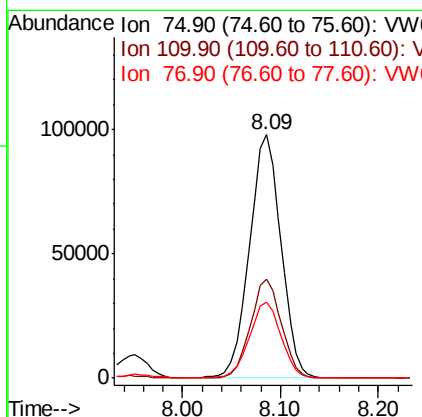
RT: 8.09 min Scan# 1014

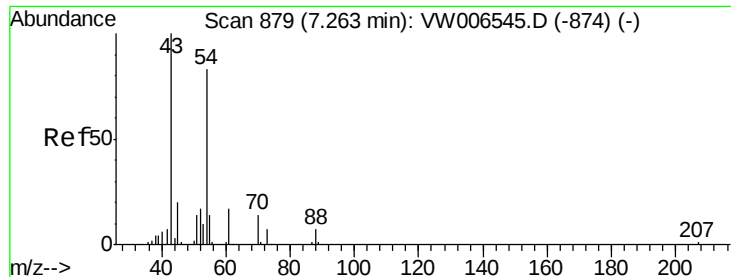
Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tgt Ion:	75	Resp:	218940
Ion Ratio	Lower	Upper	
75	100		
110	39.7	19.5	58.5
77	31.5	24.6	37.0





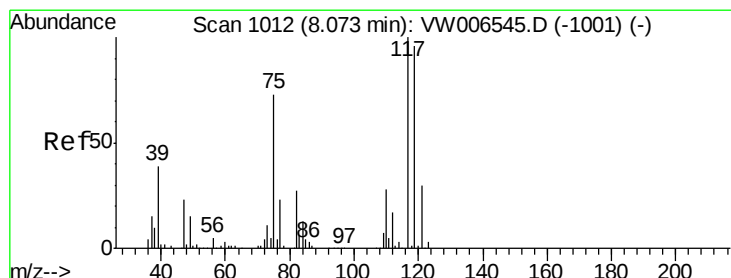
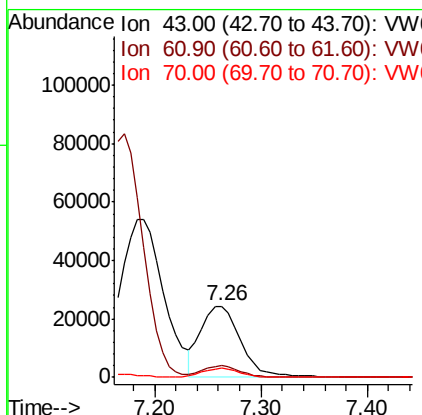
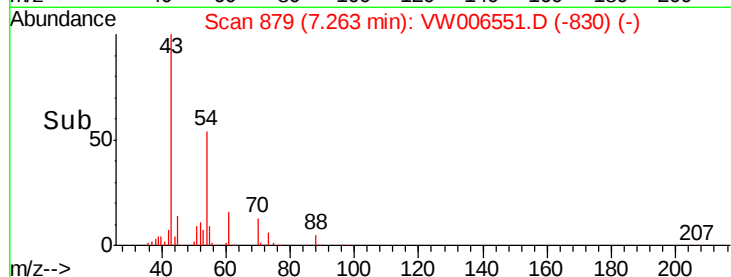
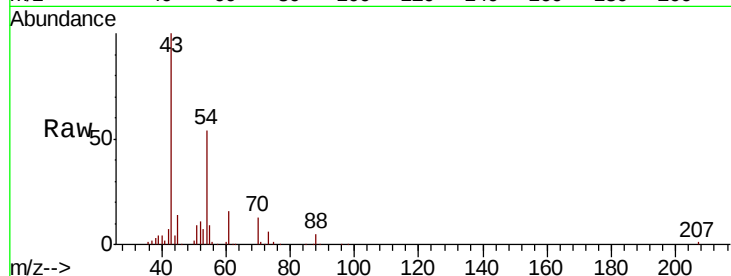
#37
Ethyl Acetate
Concen: 43.935 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.1	18.1
70	12.1	9.8	14.6

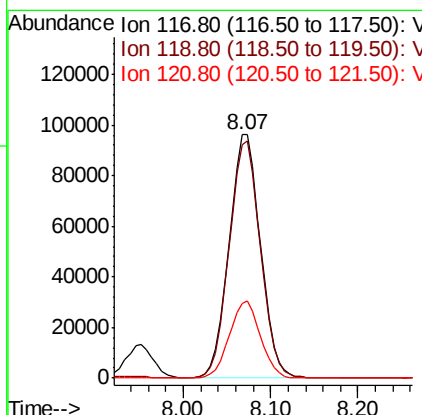
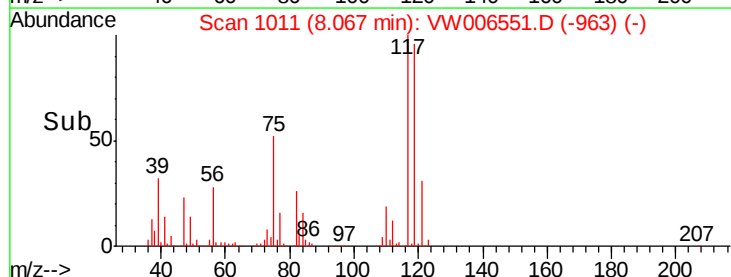
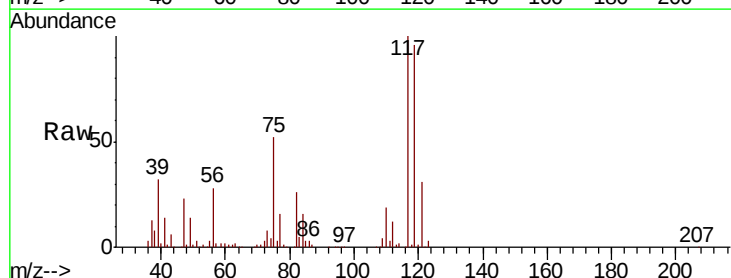
Manual Integrations
APPROVED

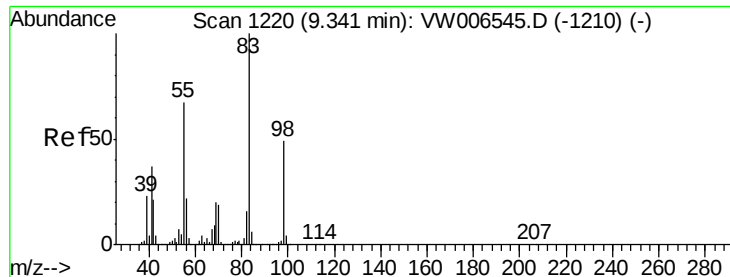
apatel
11/2/2018 3:20:49 PM



#38
Carbon Tetrachloride
Concen: 56.137 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.3	114.5
121	30.8	24.1	36.1





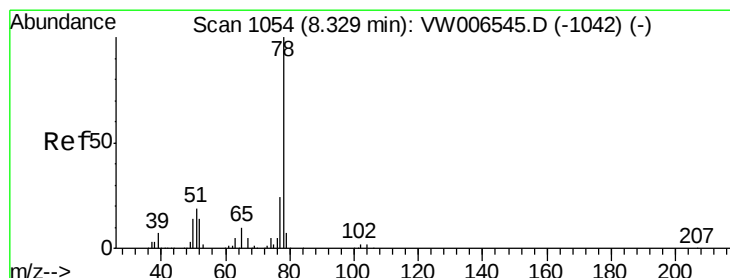
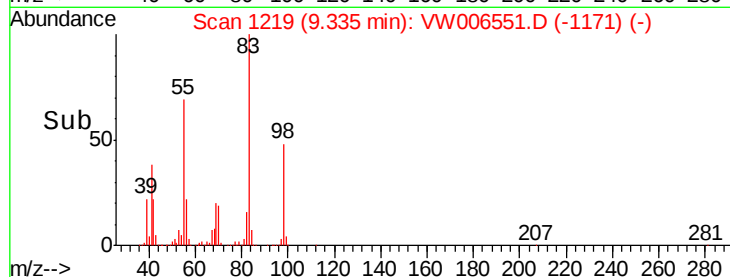
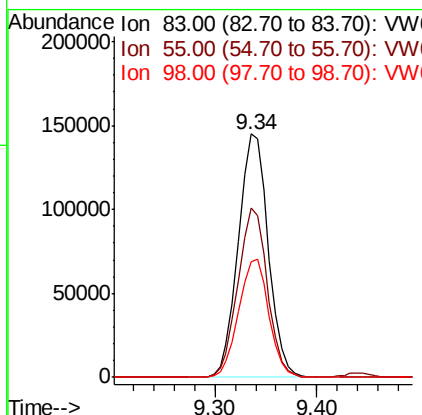
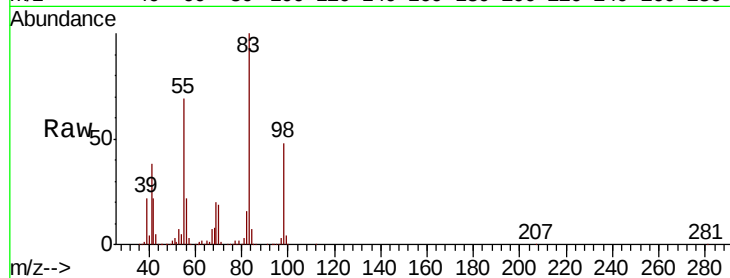
#39
Methvlcvclohexane
Concen: 56.870 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	295658		
55	69.4		53.7	80.5
98	47.7		39.2	58.8

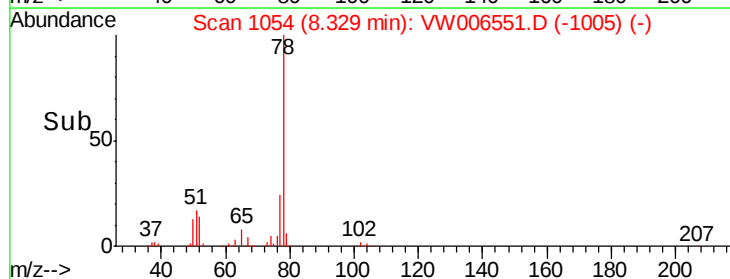
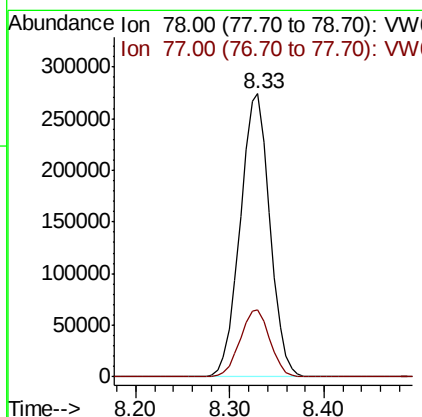
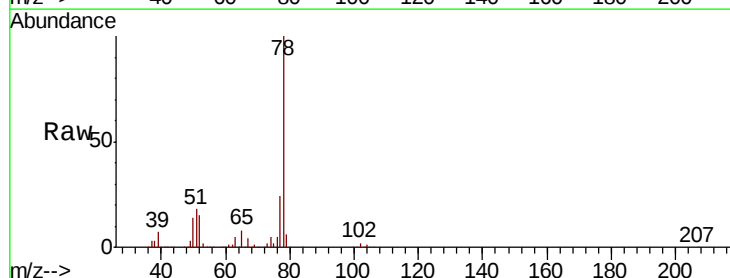
Manual Integrations
APPROVED

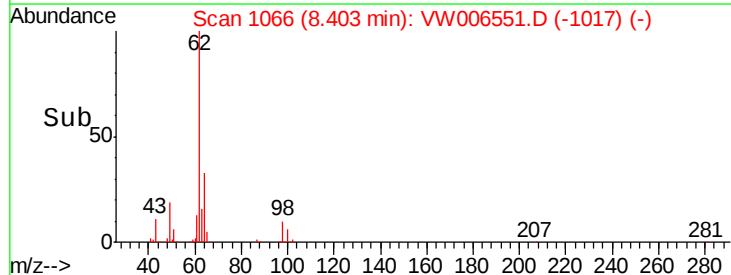
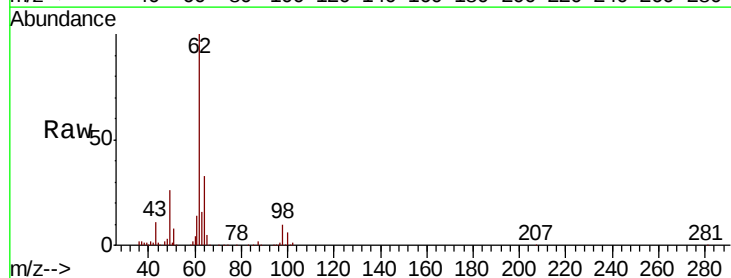
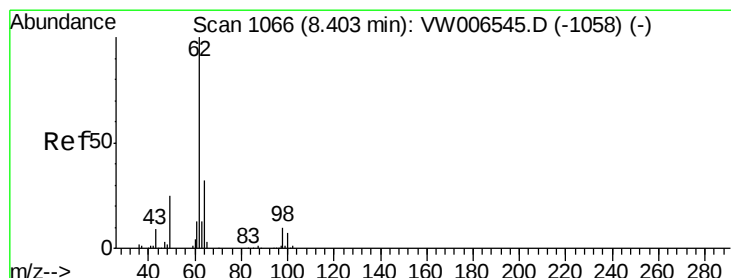
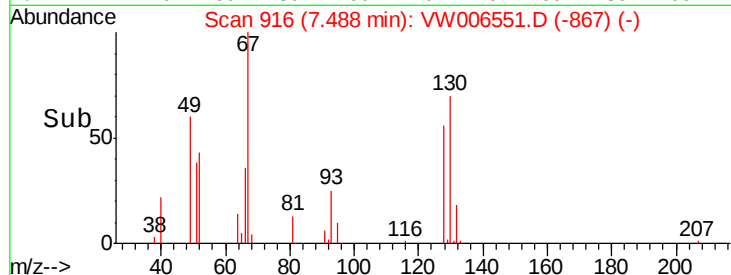
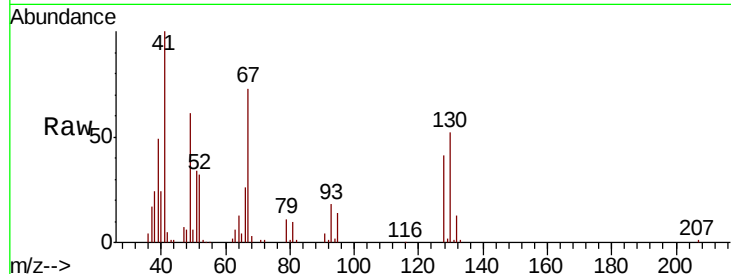
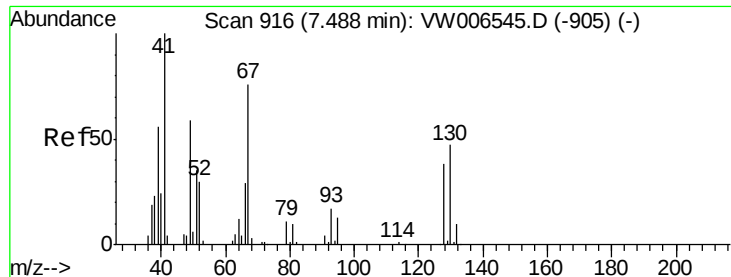
apatel
11/2/2018 3:20:49 PM



#40
Benzene
Concen: 51.782 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	602537		
77	23.7		19.2	28.8





#41

Methacrylonitrile

Concen: 45.994 ug/l

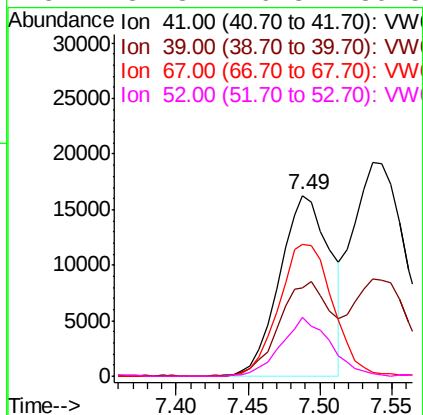
RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		40040		
39	53.1	44.5	66.7		
67	77.8	63.8	95.8		
52	31.3	26.3	39.5		



Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM

#42

1,2-Dichloroethane

Concen: 47.898 ug/l

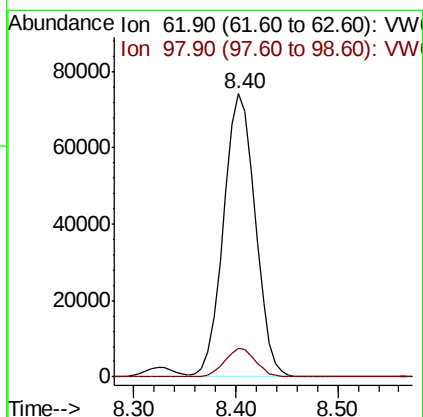
RT: 8.40 min Scan# 1066

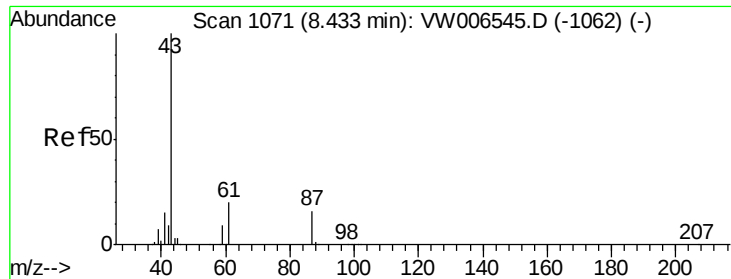
Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		159840		
98	9.8	0.0	19.8		





#43

Isopropyl Acetate

Concen: 45.489 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

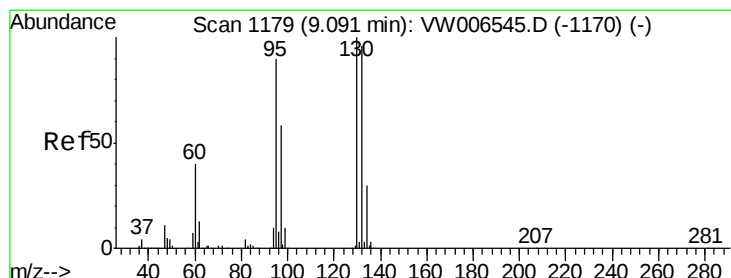
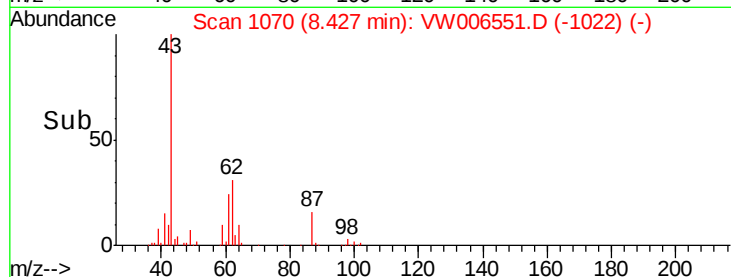
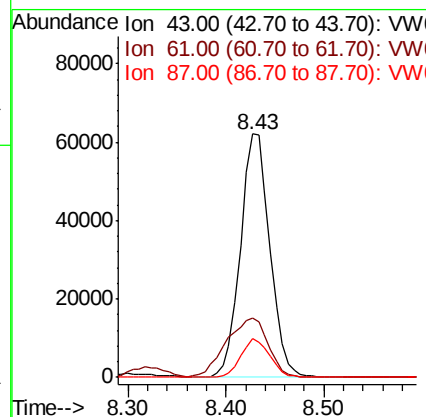
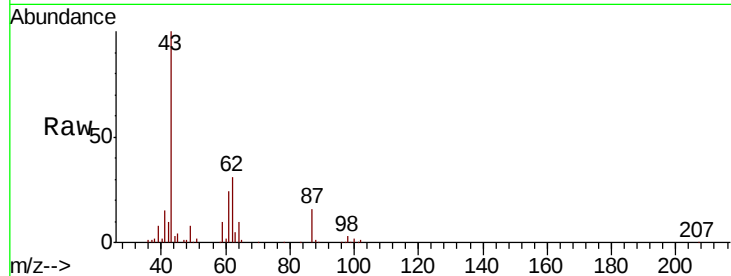
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	128867
Ion Ratio		Lower	Upper
43	100		
61	34.7	27.2	40.8
87	15.6	12.9	19.3

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM



#44

Trichloroethene

Concen: 52.583 ug/l

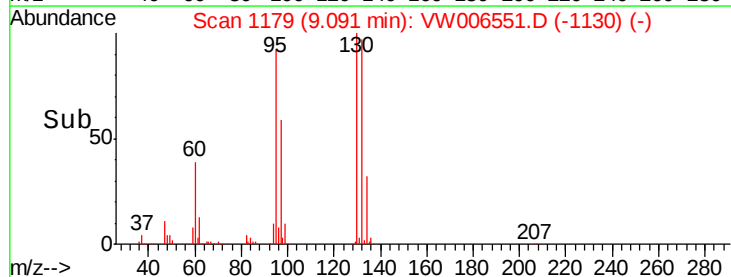
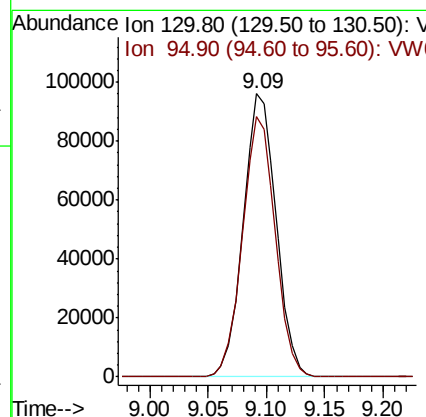
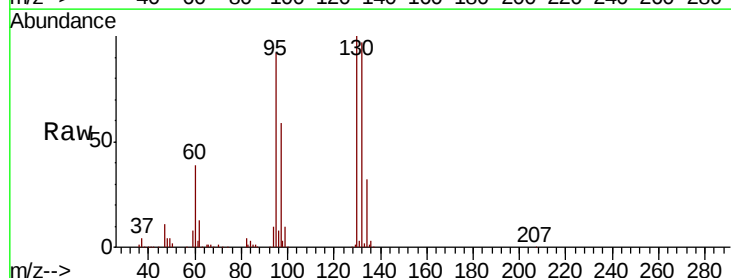
RT: 9.09 min Scan# 1179

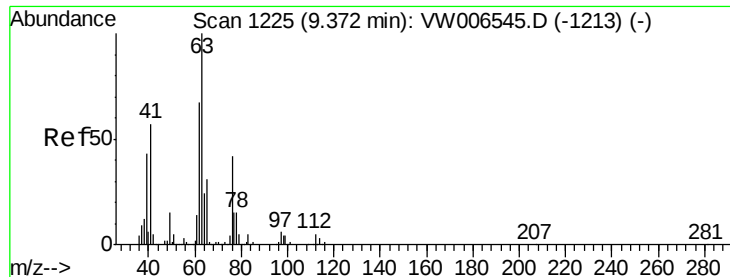
Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tgt Ion:	130	Resp:	188812
Ion Ratio		Lower	Upper
130	100		
95	91.9	0.0	179.2





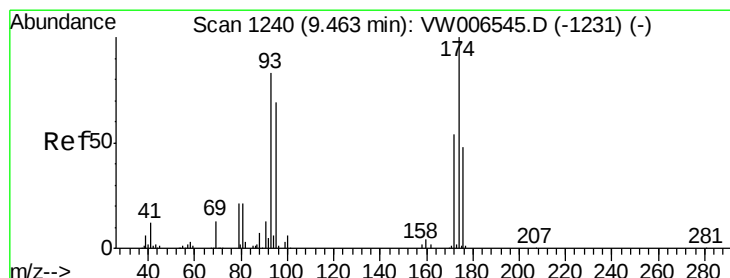
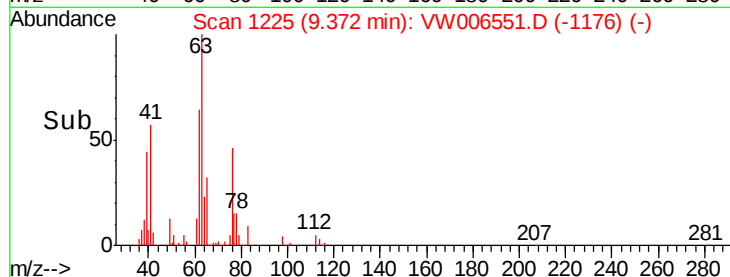
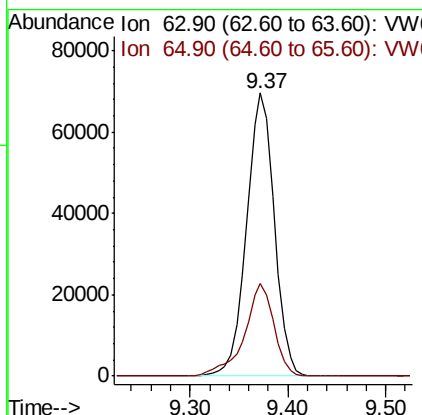
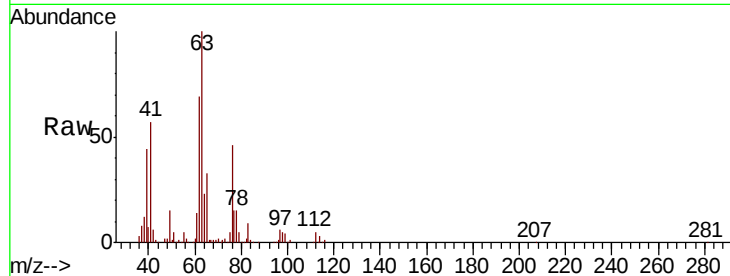
#45
1,2-Dichloropropane
Concen: 50.403 ug/l
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.1	37.7

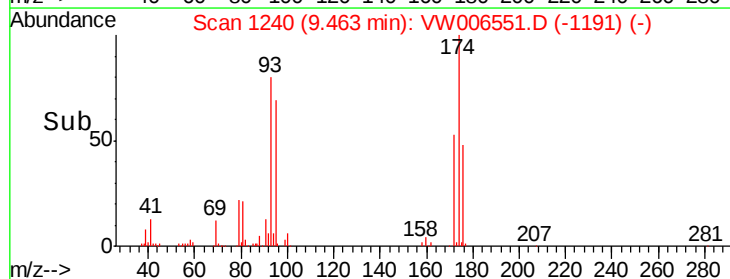
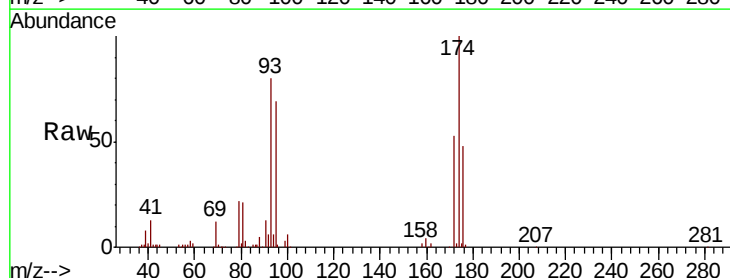
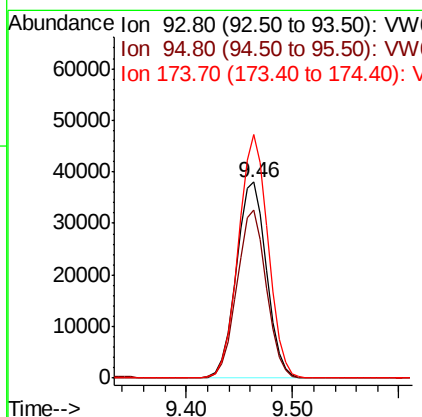
Manual Integrations
APPROVED

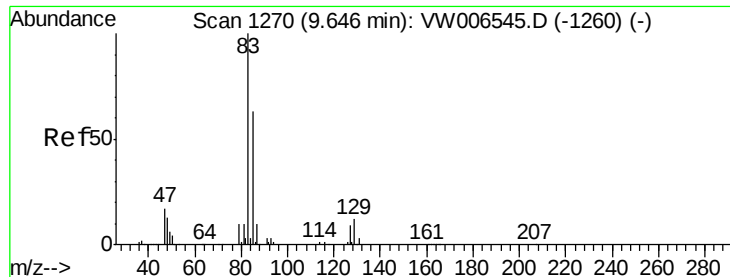
apatel
11/2/2018 3:20:49 PM



#46
Dibromomethane
Concen: 47.618 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.2	100.8
174	121.6	97.3	145.9





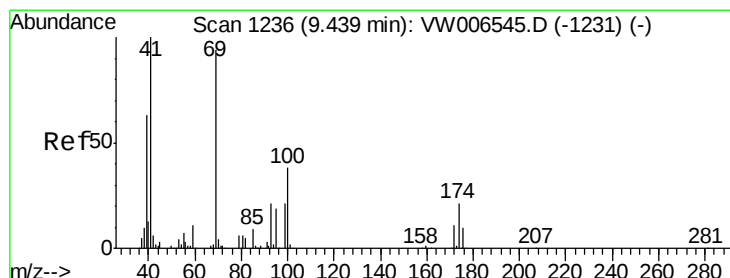
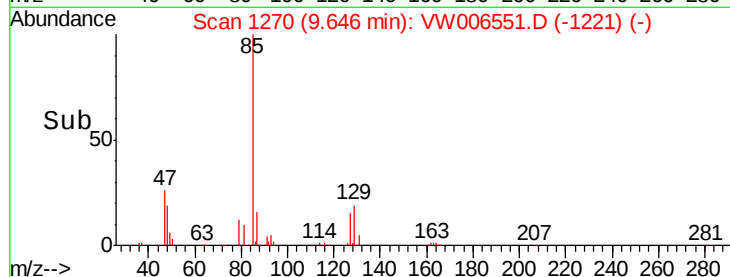
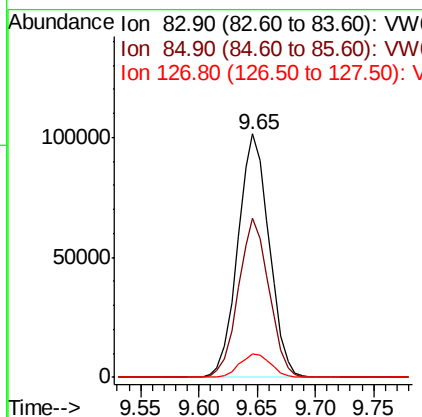
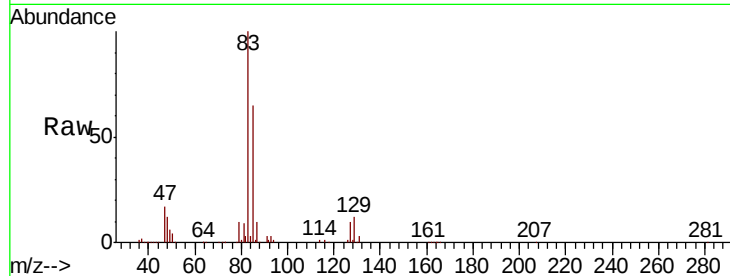
#47
Bromodichloromethane
Concen: 51.291 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	189577		
85	65.2		50.6	75.8
127	9.6		7.5	11.3

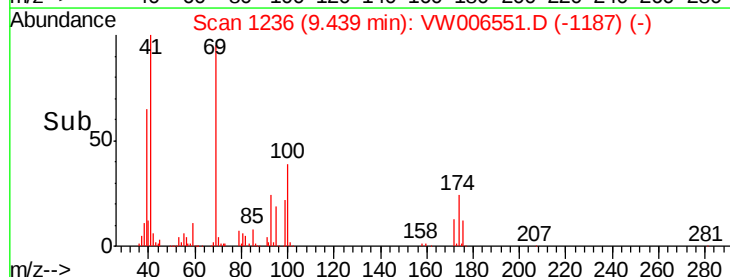
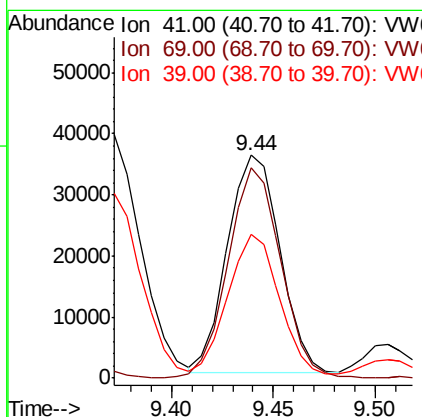
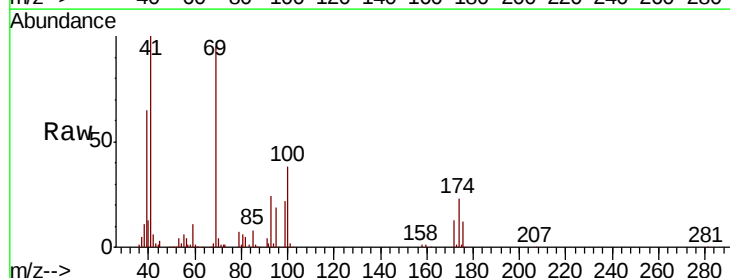
Manual Integrations
APPROVED

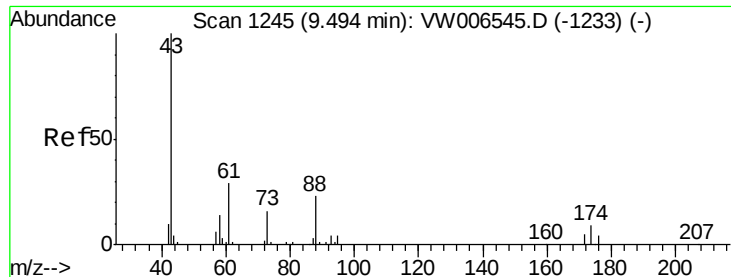
apatel
11/2/2018 3:20:49 PM



#48
Methyl methacrylate
Concen: 46.496 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	63463		
69	97.1		77.8	116.8
39	62.5		48.7	73.1





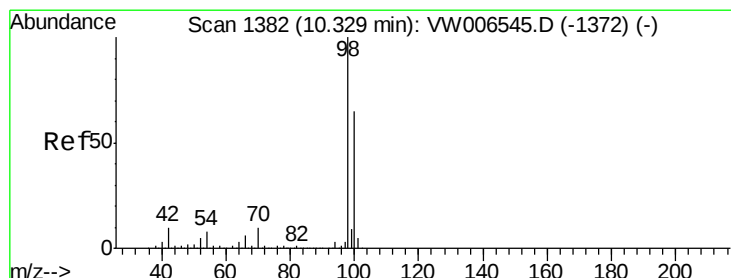
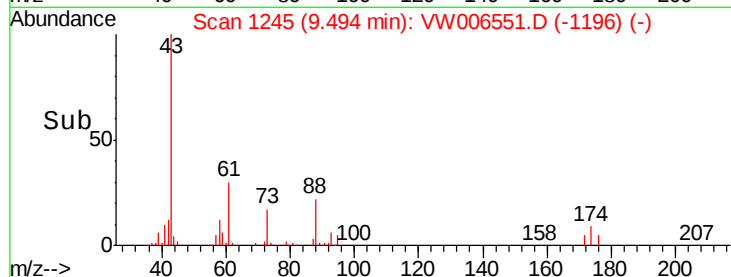
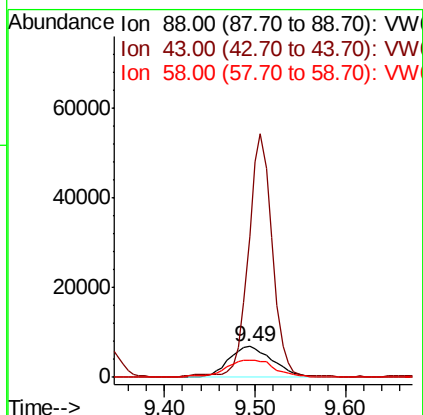
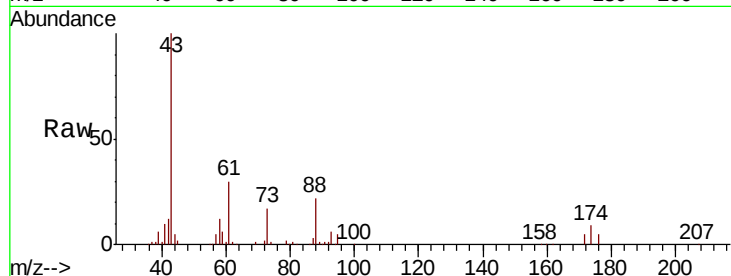
#49
1,4-Dioxane
Concen: 995.913 ug/l
RT: 9.49 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	420.5	356.6	534.8
58	62.6	51.4	77.2

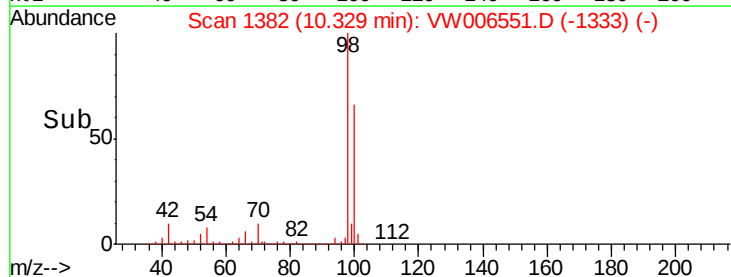
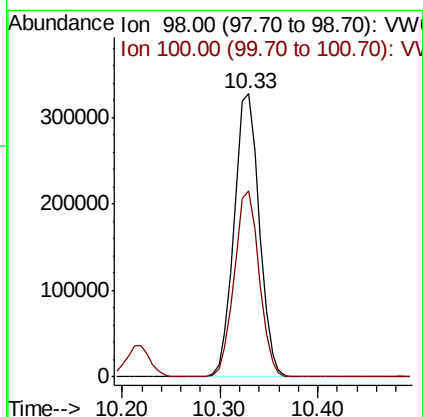
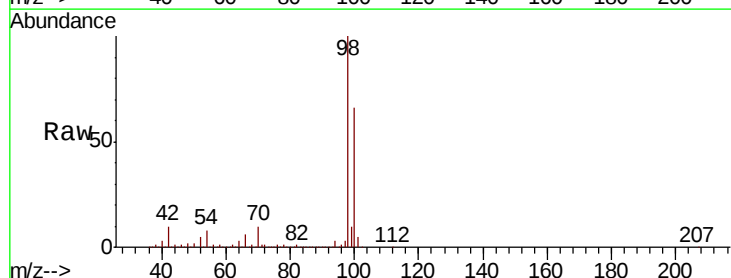
Manual Integrations
APPROVED

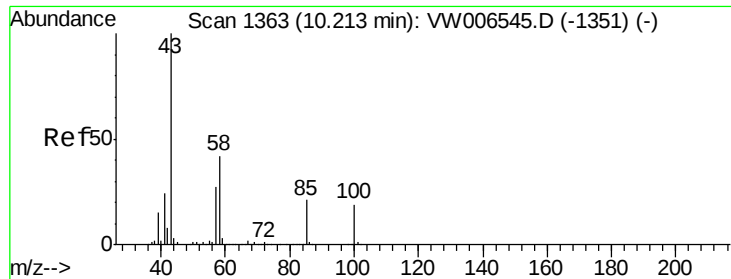
apatel
11/2/2018 3:20:49 PM



#50
Toluene-d8
Concen: 52.607 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 223.927 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 325803

Ion Ratio Lower Upper

43 100

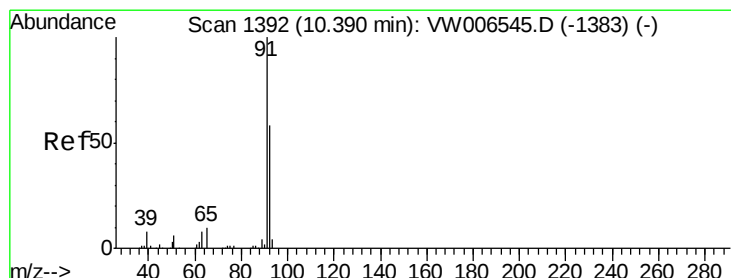
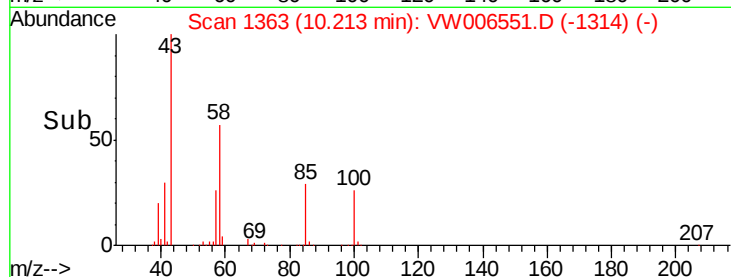
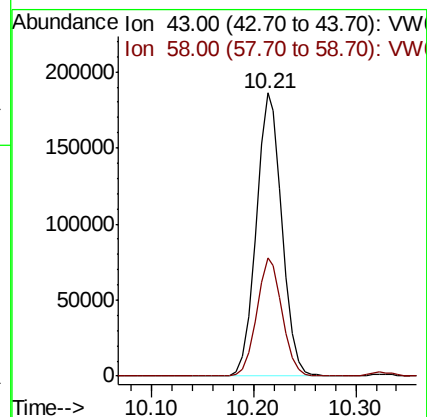
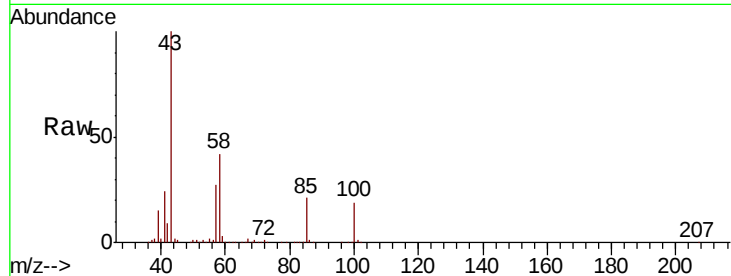
58 41.3 33.4 50.0

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:49 PM



#52

Toluene

Concen: 51.739 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006551.D

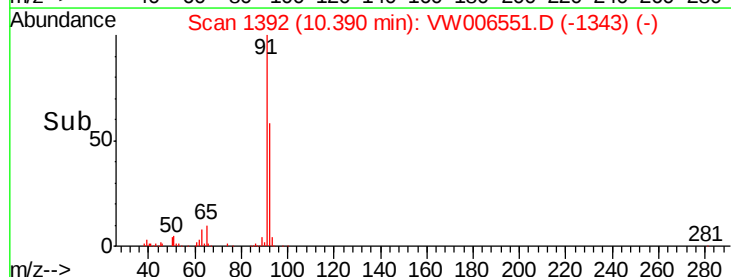
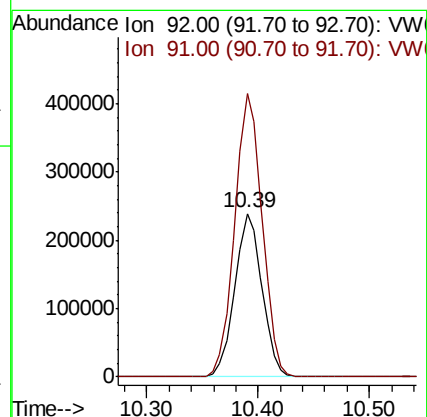
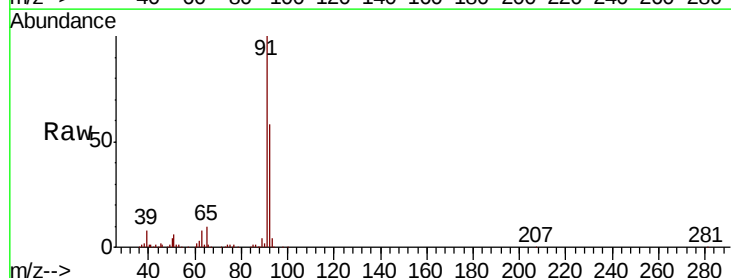
Acq: 01 Nov 2018 10:43

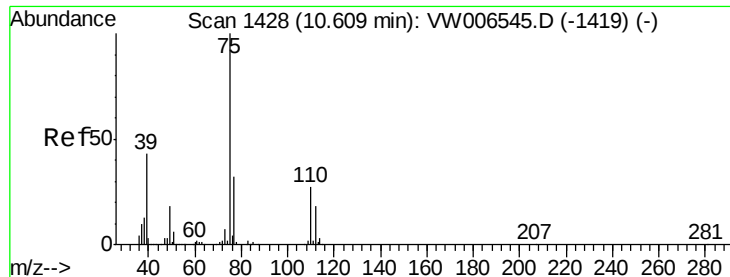
Tgt Ion: 92 Resp: 403796

Ion Ratio Lower Upper

92 100

91 174.6 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 52.547 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 186917

Ion Ratio Lower Upper

75 100

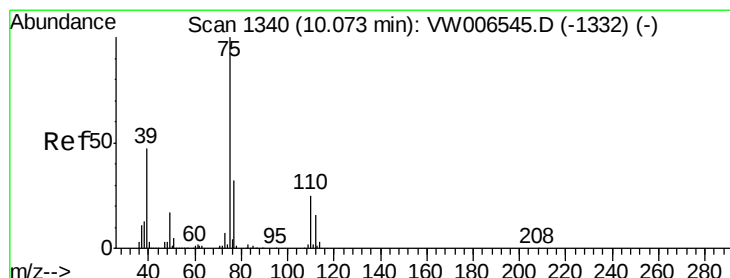
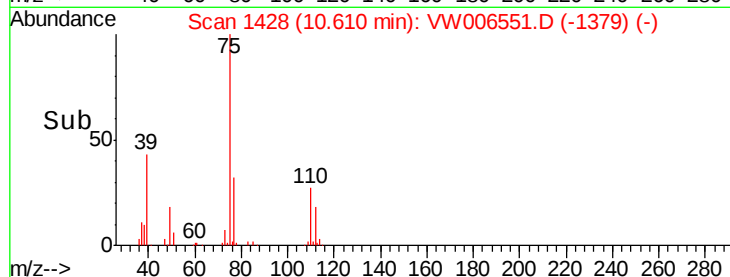
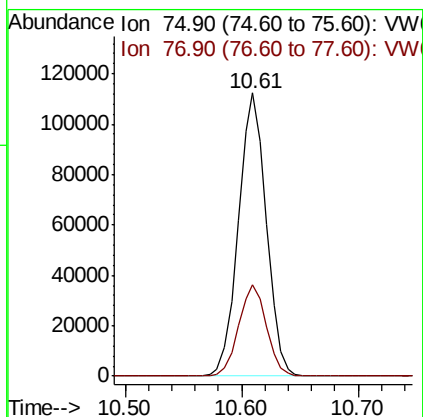
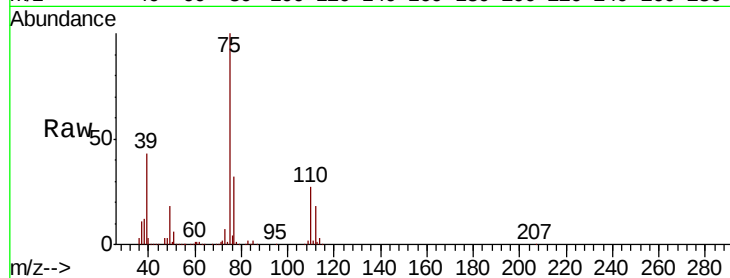
77 32.2 25.6 38.4

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:49 PM



#54

cis-1,3-Dichloropropene

Concen: 52.949 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

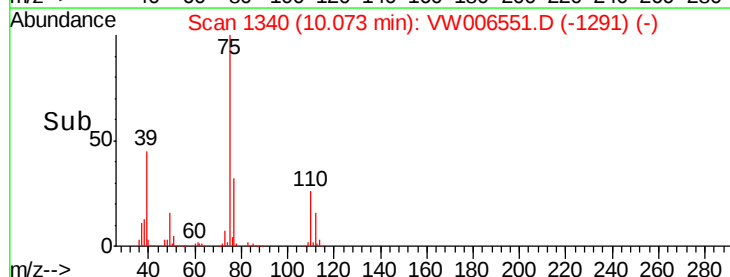
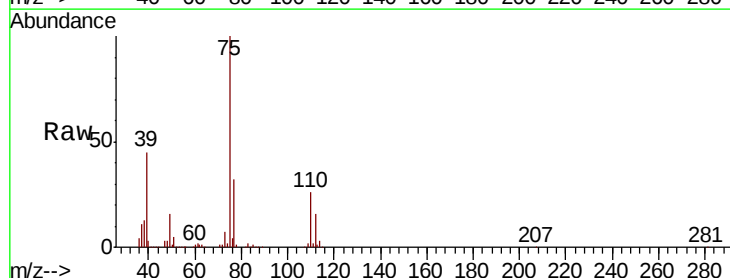
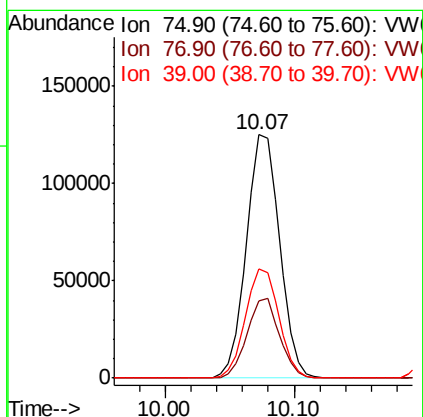
Tgt Ion: 75 Resp: 222575

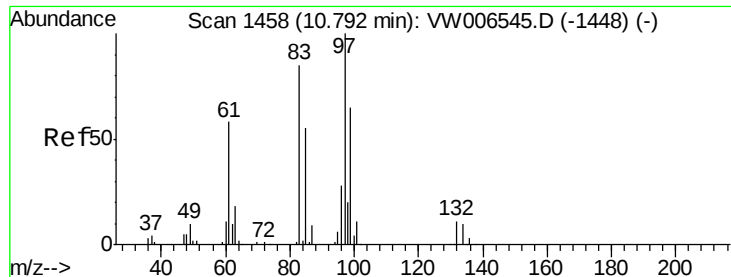
Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

39 44.8 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 47.523 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

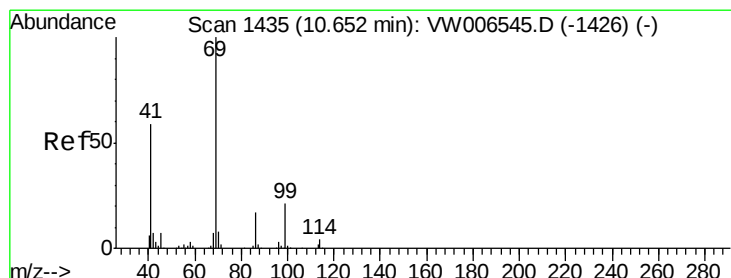
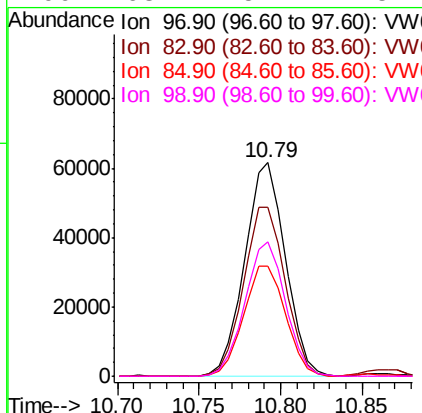
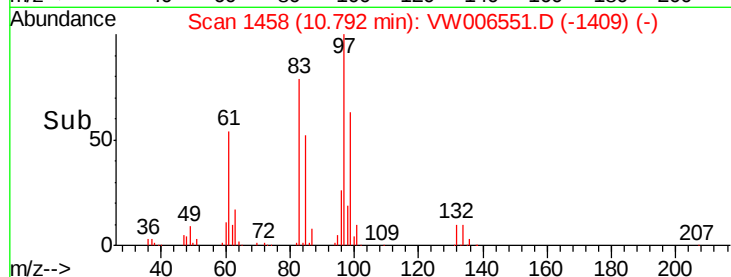
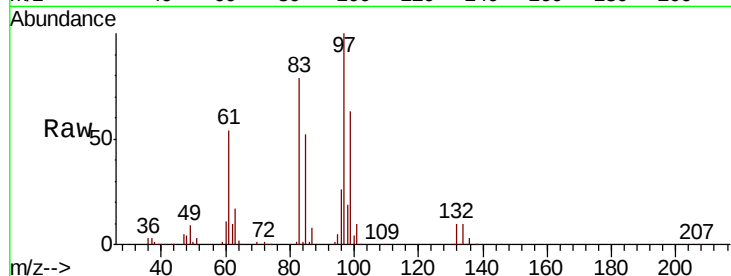
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	107335
Ion	Ratio	Lower	Upper
97	100		
83	79.3	67.9	101.9
85	51.8	44.0	66.0
99	63.2	52.2	78.2

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM



#56

Ethyl methacrylate

Concen: 47.669 ug/l

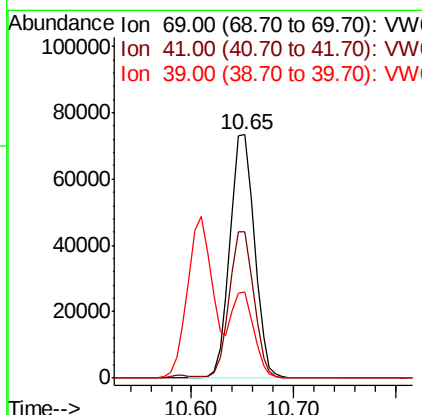
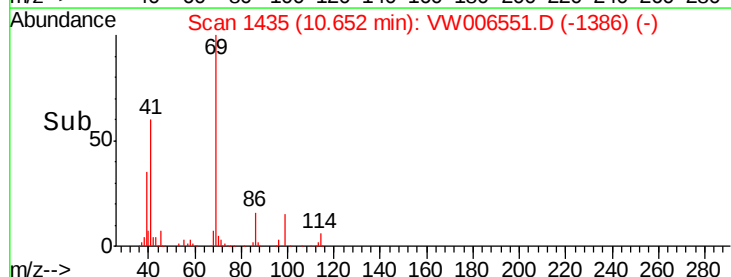
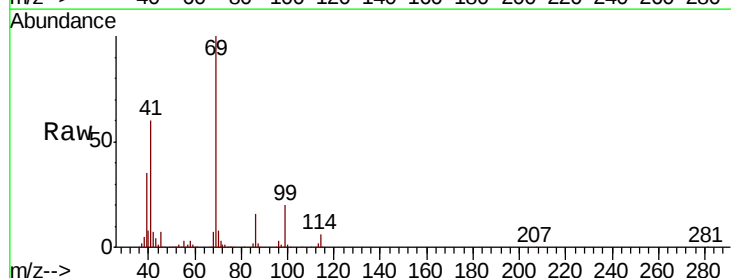
RT: 10.65 min Scan# 1435

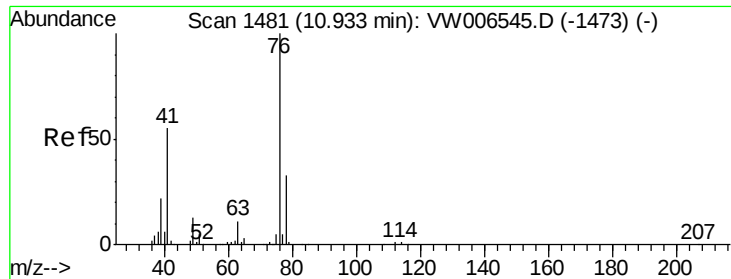
Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tgt Ion:	69	Resp:	122372
Ion	Ratio	Lower	Upper
69	100		
41	59.6	47.4	71.2
39	31.1	25.3	37.9





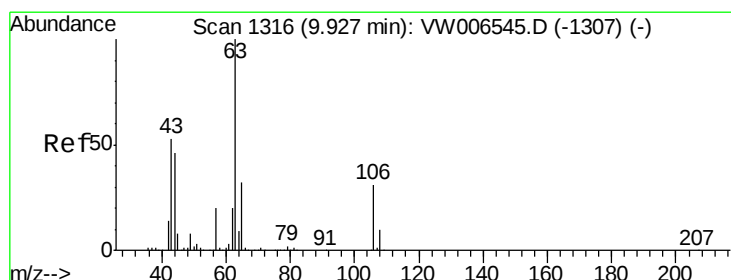
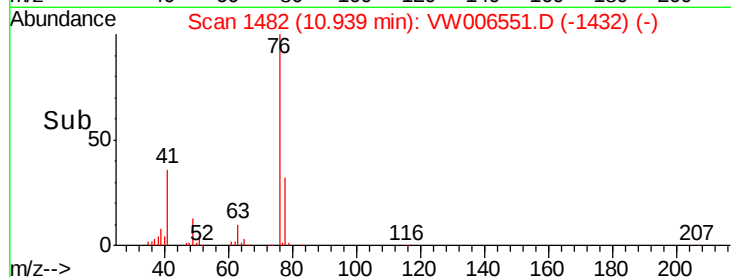
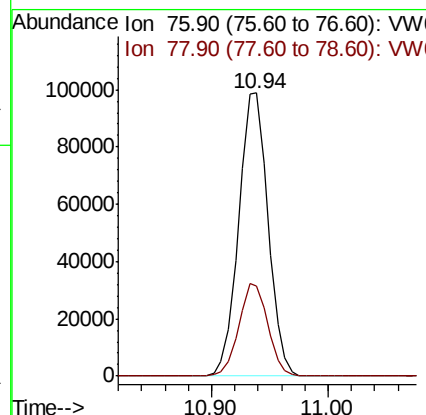
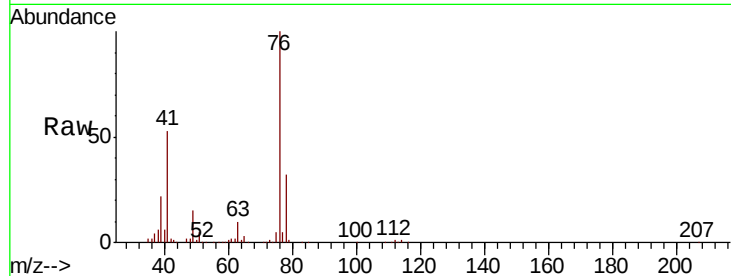
#57
 1,3-Dichloropropane
 Concen: 47.466 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 174084
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4

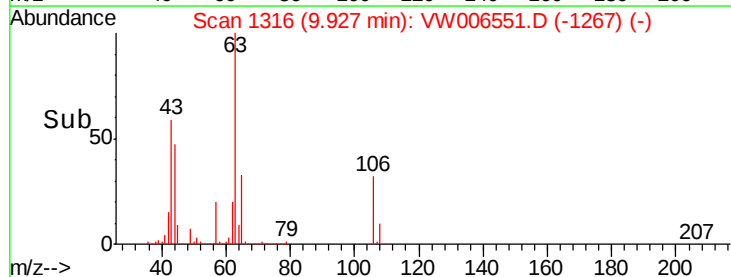
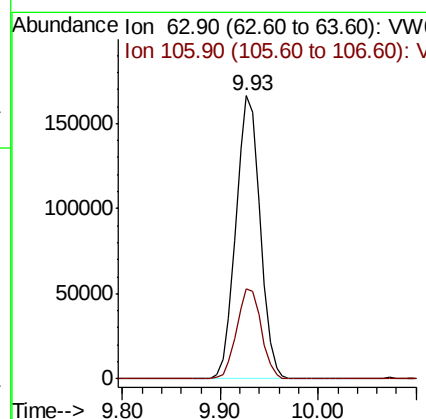
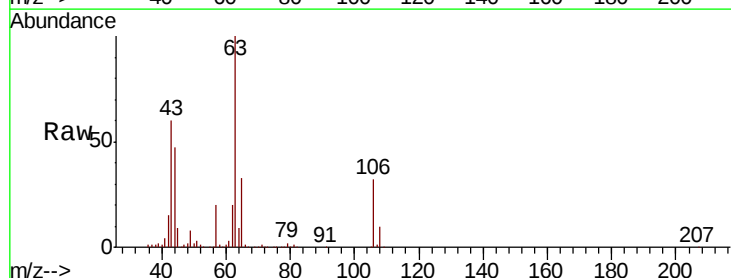
Manual Integrations
 APPROVED

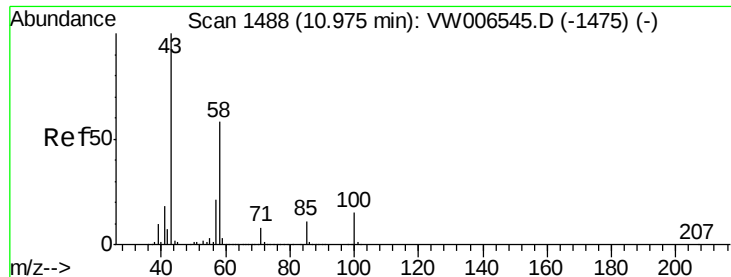
apatel
 11/2/2018 3:20:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.216 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion: 63 Resp: 286036
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.4 38.2





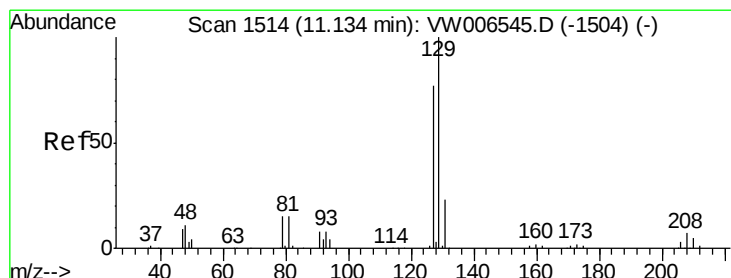
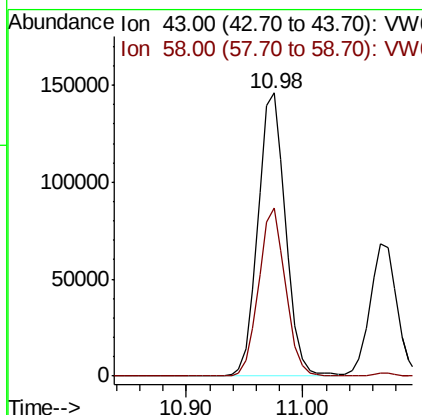
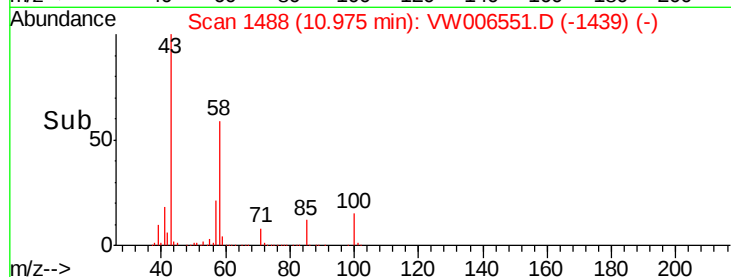
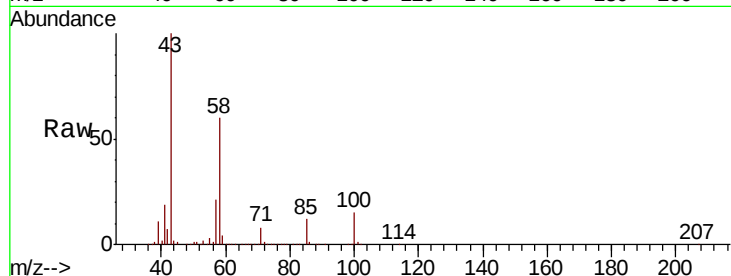
#59
2-Hexanone
Concen: 244.236 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 241352
Ion Ratio Lower Upper
43 100
58 57.5 28.8 86.4

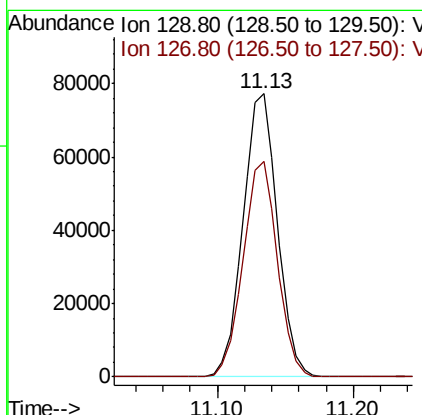
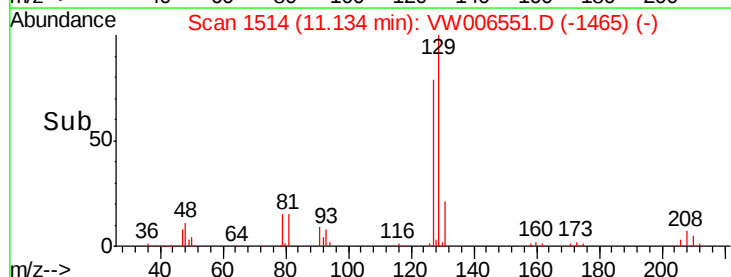
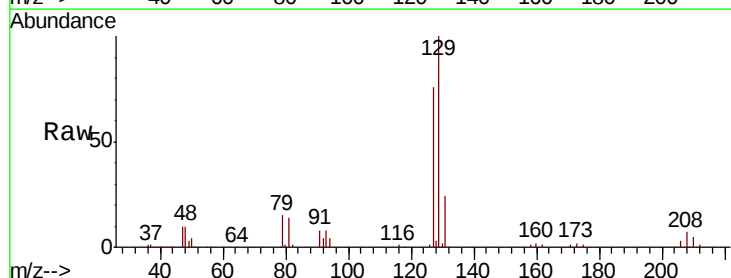
Manual Integrations
APPROVED

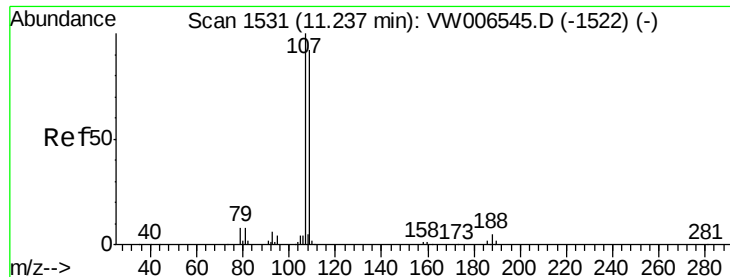
apatel
11/2/2018 3:20:49 PM



#60
Dibromochloromethane
Concen: 50.909 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion: 129 Resp: 136233
Ion Ratio Lower Upper
129 100
127 76.1 38.8 116.3





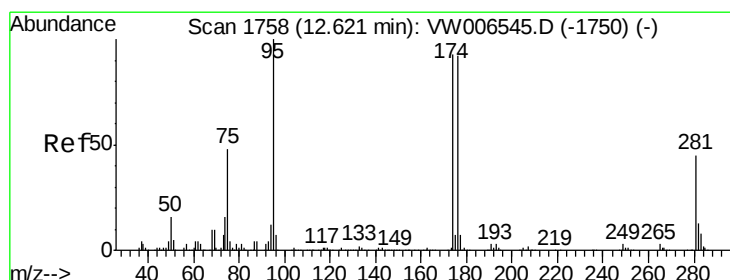
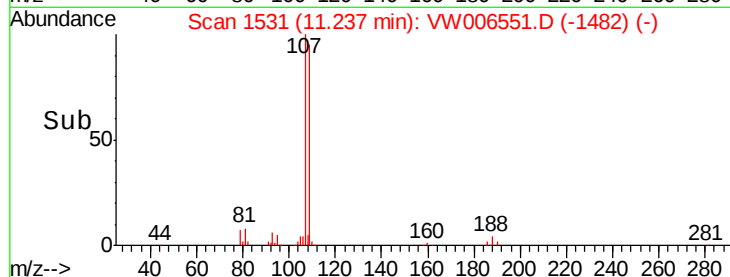
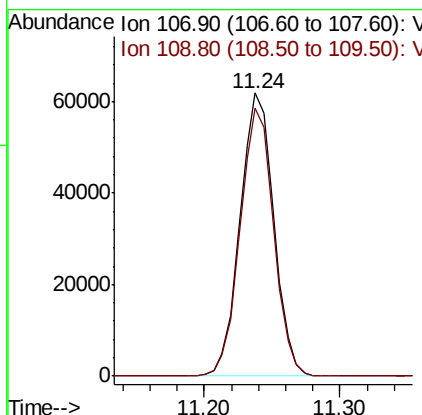
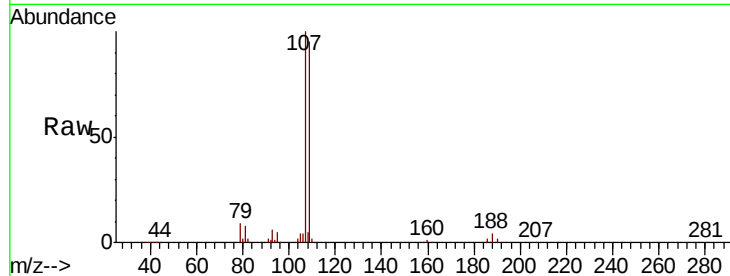
#61
 1,2-Dibromoethane
 Concen: 47.790 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.8	113.6

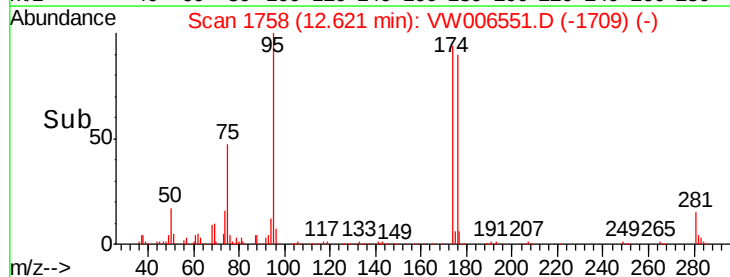
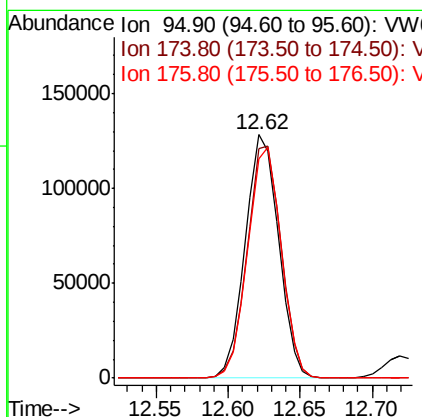
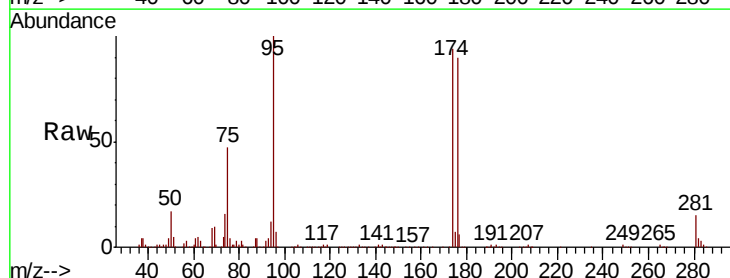
Manual Integrations
 APPROVED

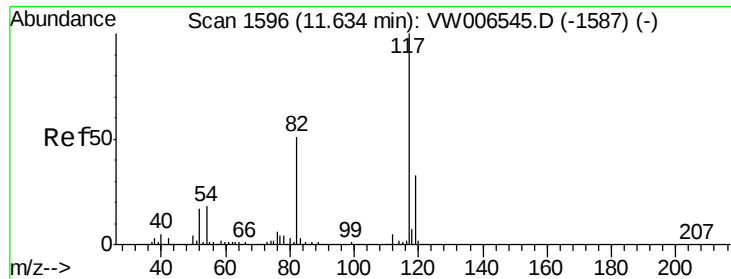
apatel
 11/2/2018 3:20:49 PM



#62
 4-Bromofluorobenzene
 Concen: 50.929 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.2	0.0	192.4
176	95.0	0.0	187.4





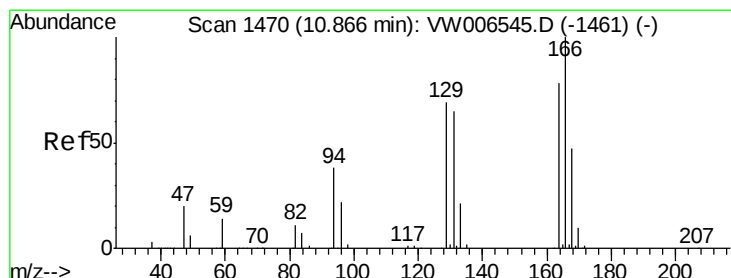
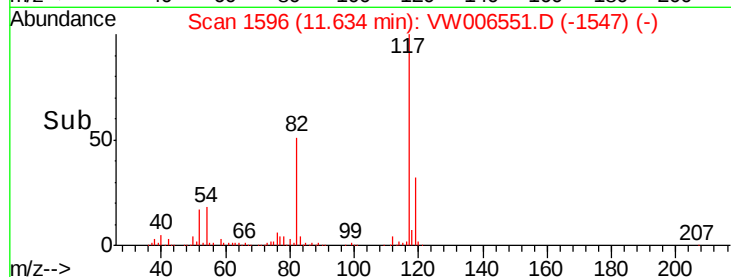
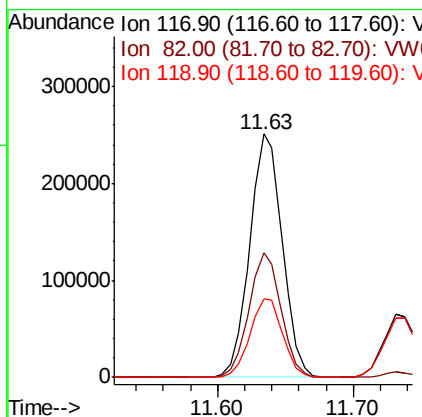
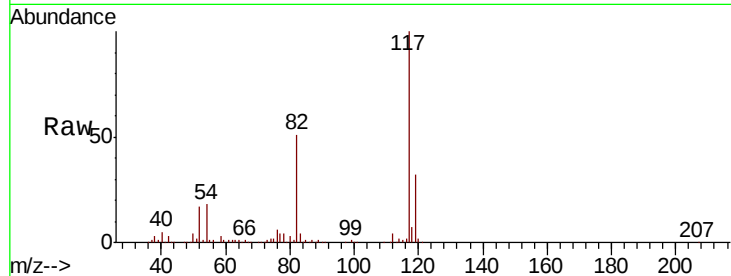
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	40.8	61.2
119	32.1	26.1	39.1

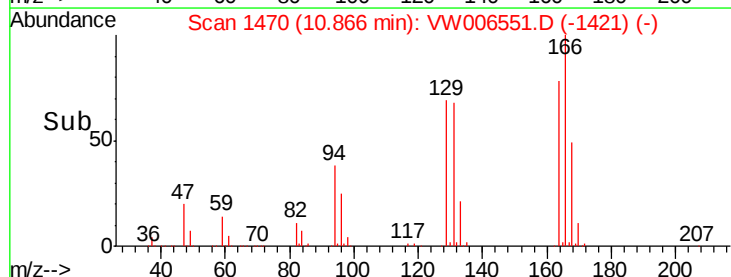
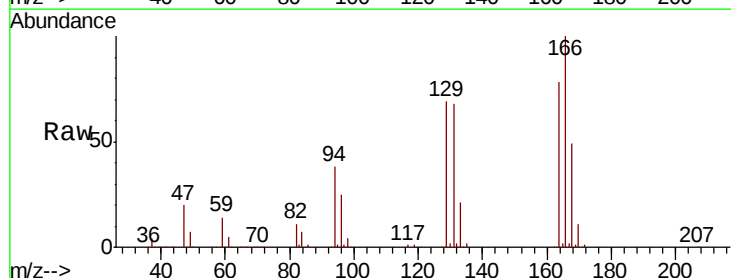
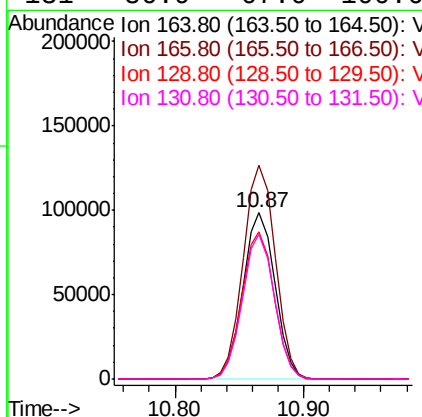
Manual Integrations
APPROVED

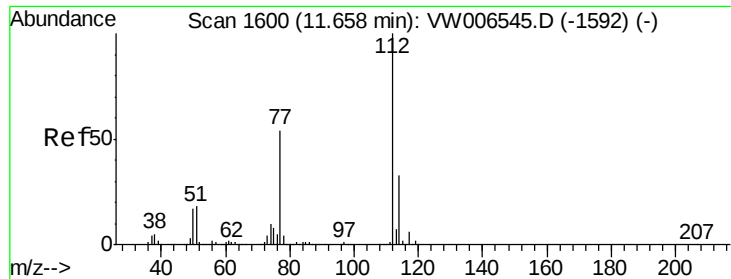
apatel
11/2/2018 3:20:49 PM



#64
Tetrachloroethene
Concen: 50.344 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.8	154.2
129	88.4	70.9	106.3
131	86.9	67.0	100.6





#65

Chlorobenzene

Concen: 52.471 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 465314

Ion Ratio Lower Upper

112 100

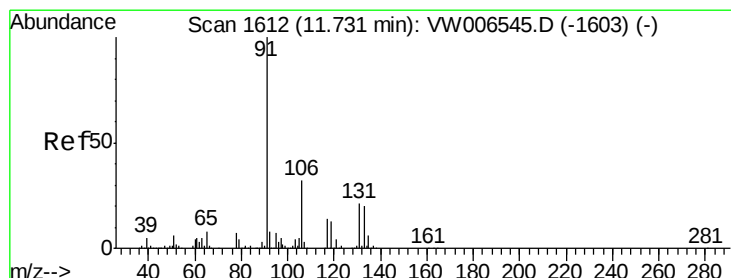
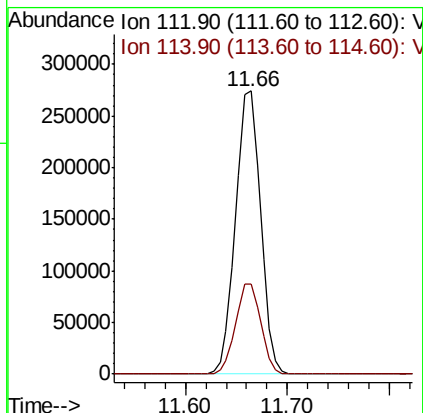
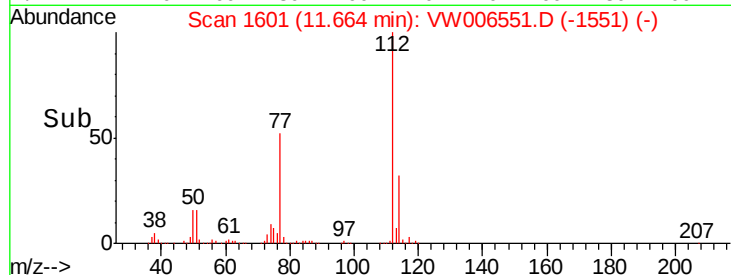
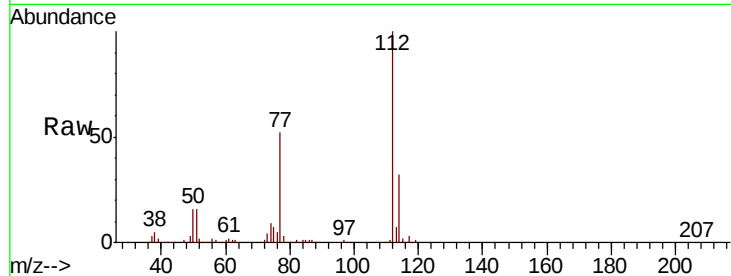
114 31.7 26.2 39.2

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:49 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 52.526 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

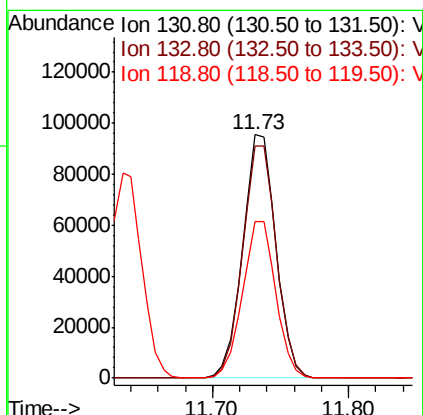
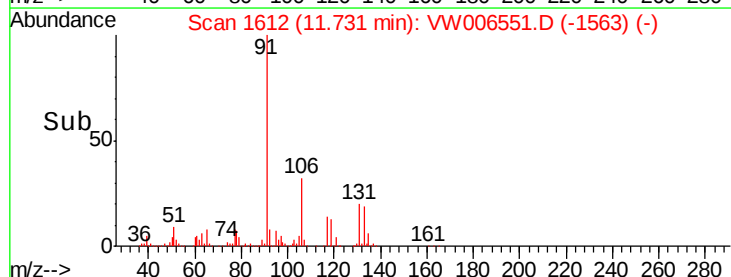
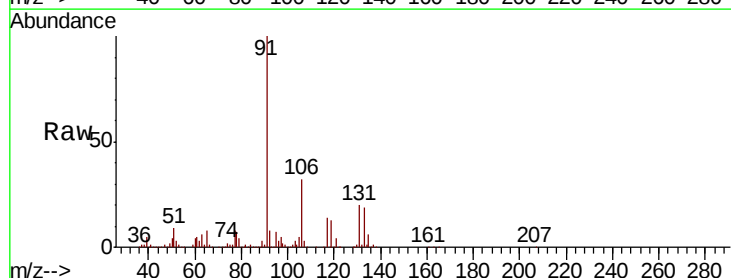
Tgt Ion:131 Resp: 163720

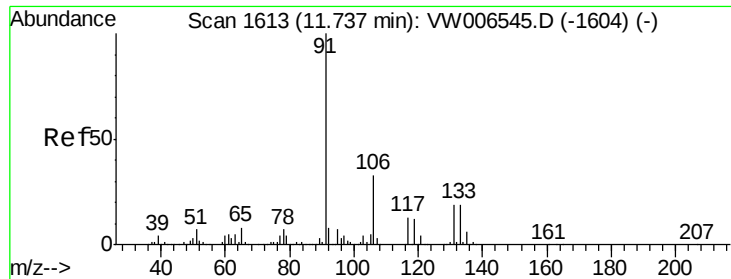
Ion Ratio Lower Upper

131 100

133 96.5 47.5 142.5

119 64.4 31.9 95.5





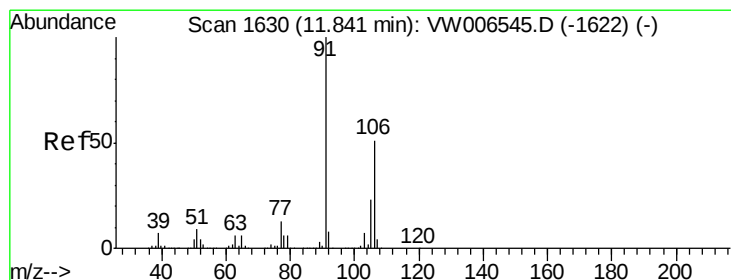
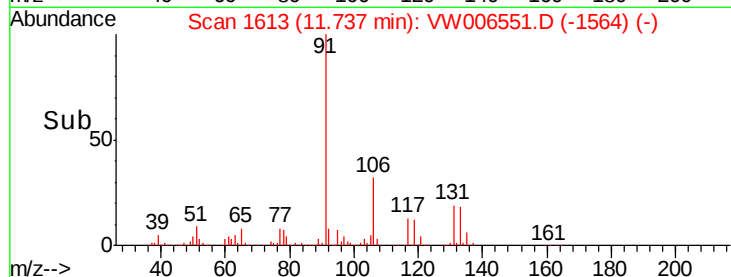
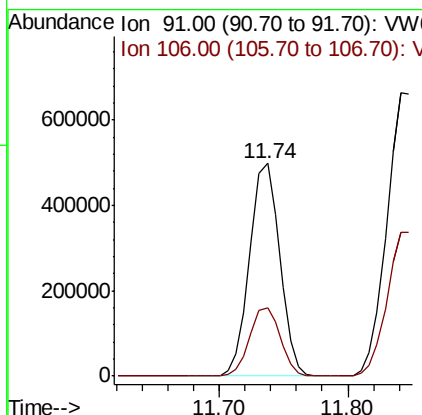
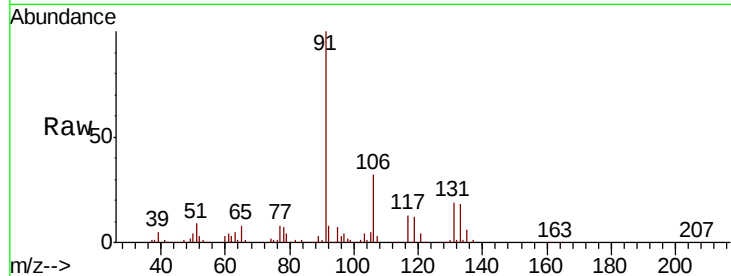
#67
Ethyl Benzene
Concen: 54.428 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 806768
Ion Ratio Lower Upper
91 100
106 32.4 26.3 39.5

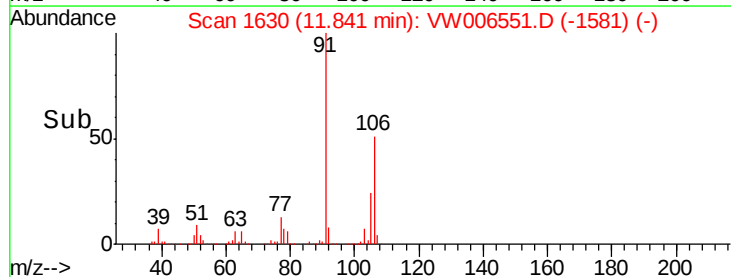
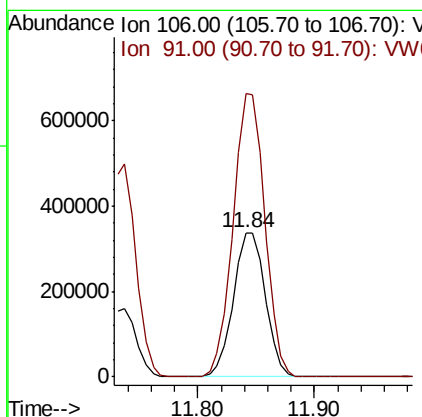
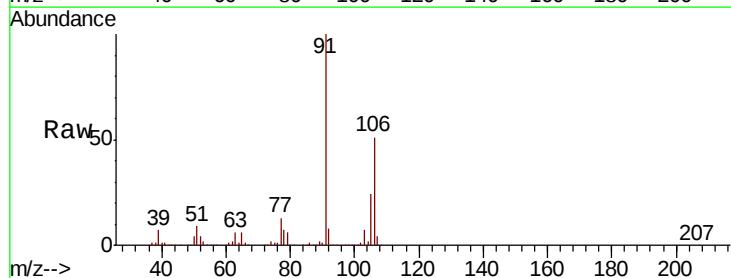
Manual Integrations
APPROVED

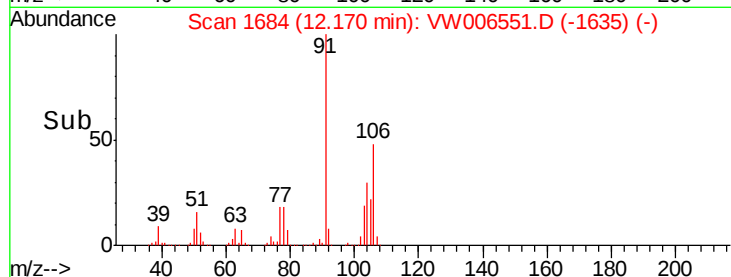
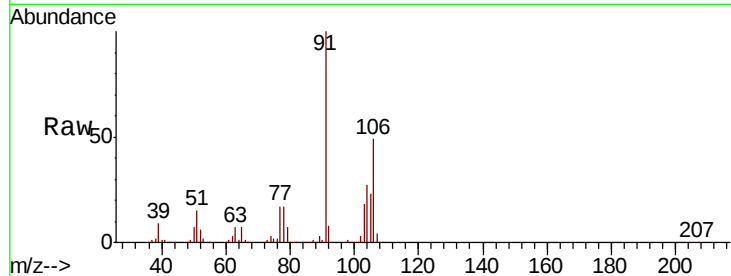
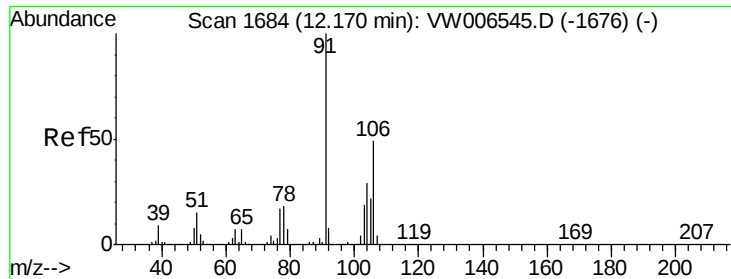
apatel
11/2/2018 3:20:49 PM



#68
m/p-Xylenes
Concen: 109.207 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion: 106 Resp: 646721
Ion Ratio Lower Upper
106 100
91 194.8 156.7 235.1





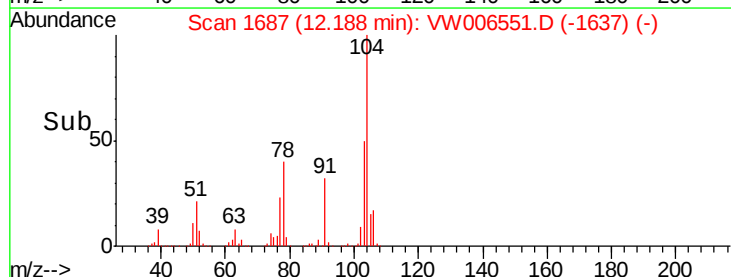
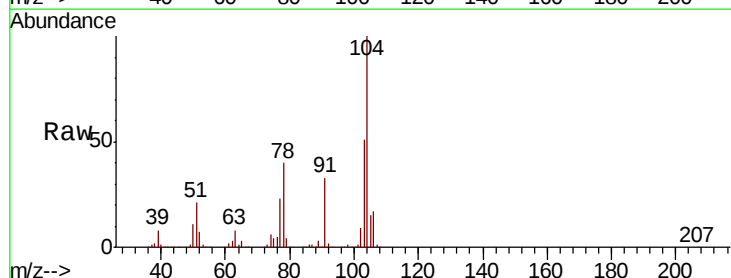
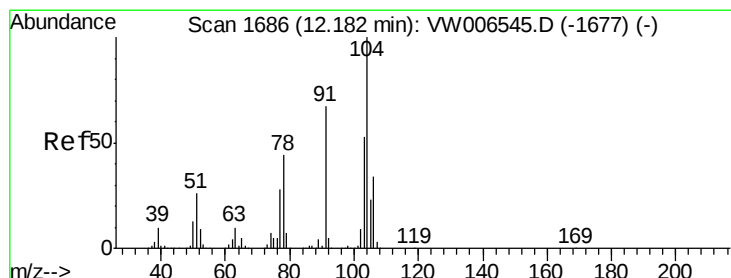
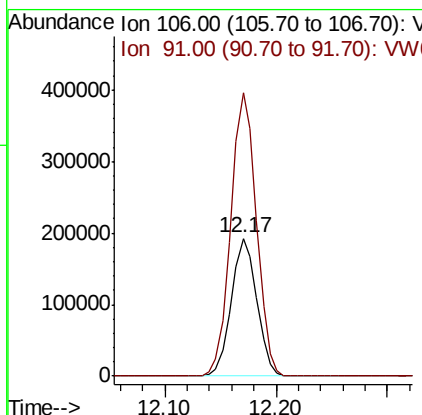
#69
o-Xylene
Concen: 53.893 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	303838		
91	207.0	102.8	308.4	

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

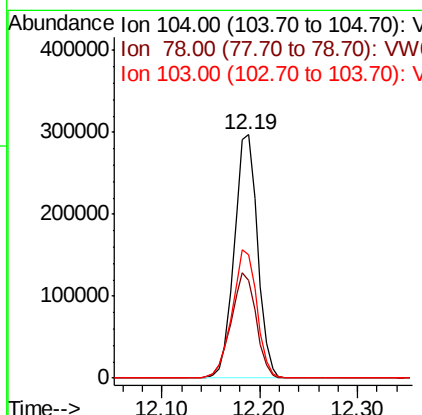
Manual Integrations
APPROVED

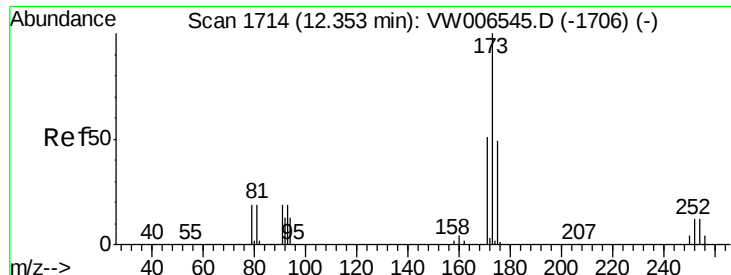
apatel
11/2/2018 3:20:49 PM



#70
Styrene
Concen: 53.464 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	491420		
78	46.6	37.2	55.8	
103	55.6	44.2	66.2	





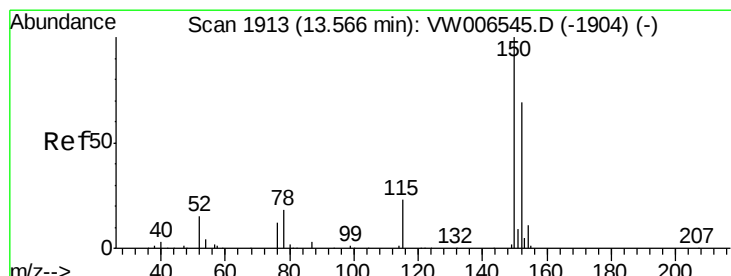
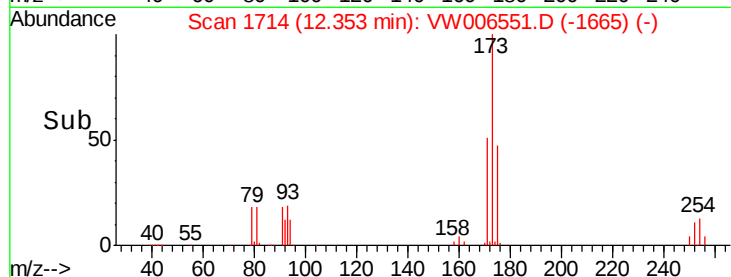
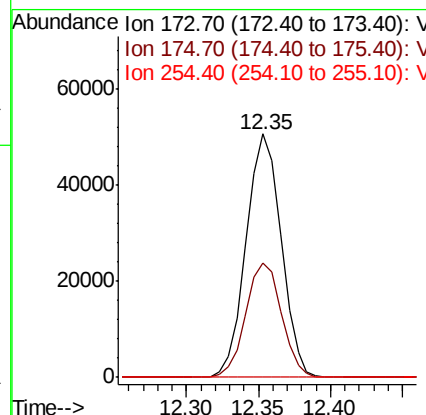
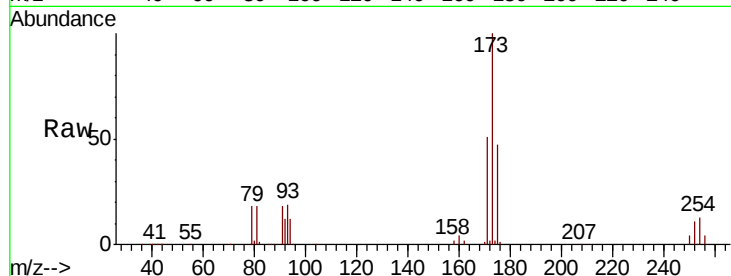
#71
Bromoform
Concen: 51.649 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.4
254	0.1	0.1	0.1

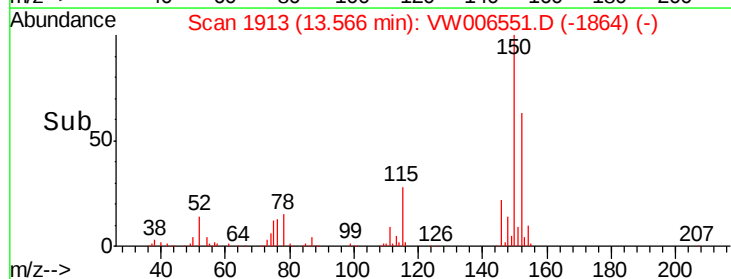
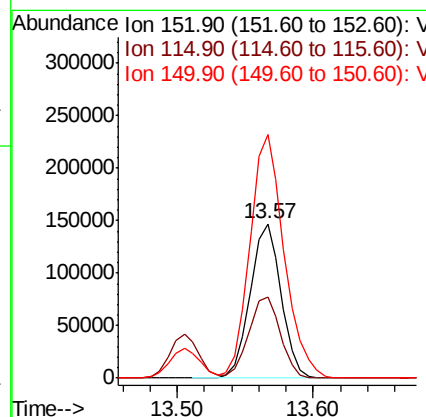
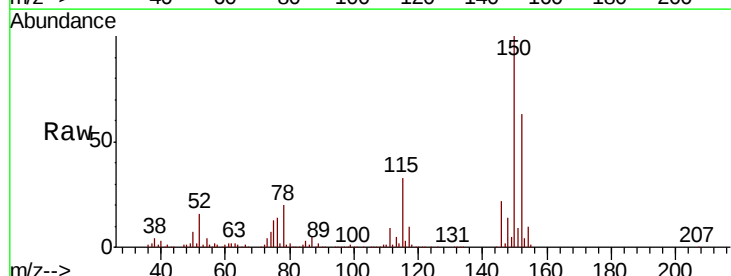
Manual Integrations
APPROVED

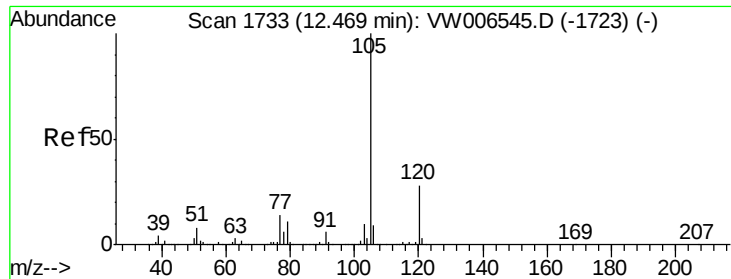
apatel
11/2/2018 3:20:49 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	26.6	79.8
150	174.4	0.0	344.6





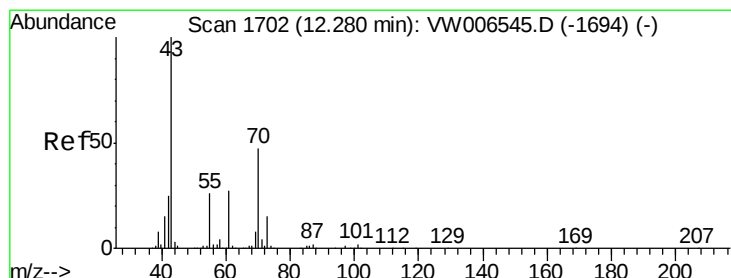
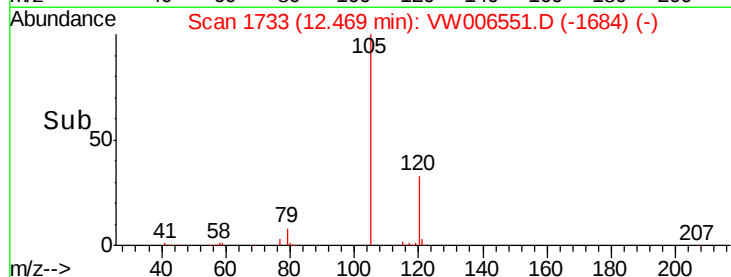
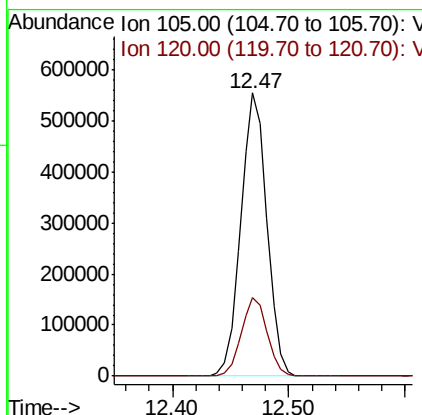
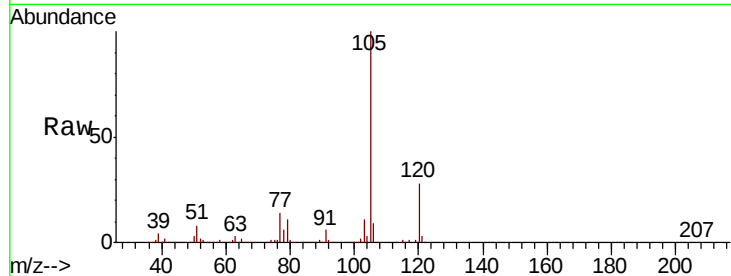
#73
Isopropylbenzene
Concen: 56.000 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.7	41.1

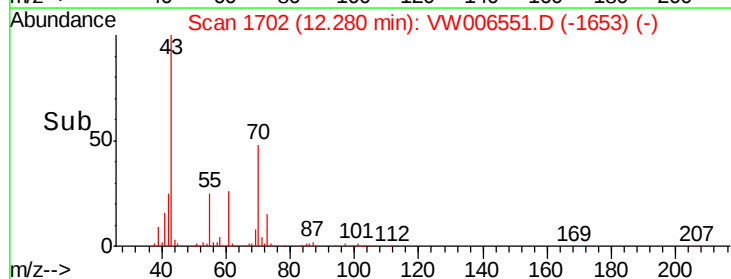
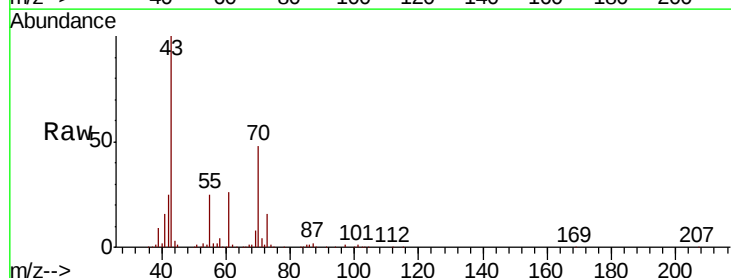
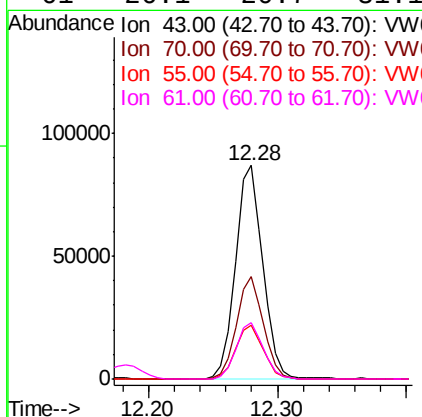
Manual Integrations
APPROVED

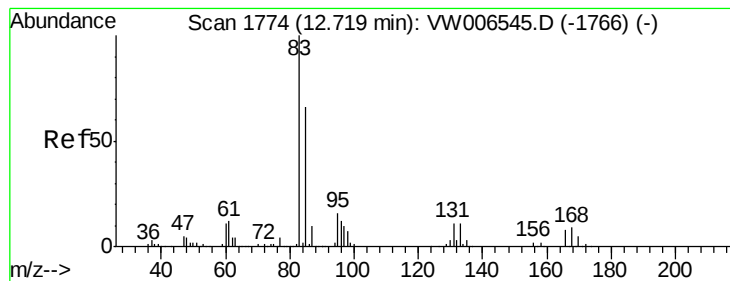
apatel
11/2/2018 3:20:49 PM



#74
N-ethyl acetate
Concen: 48.059 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.0	36.9	55.3
55	25.7	20.7	31.1
61	26.1	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.853 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 116484

Ion Ratio Lower Upper

83 100

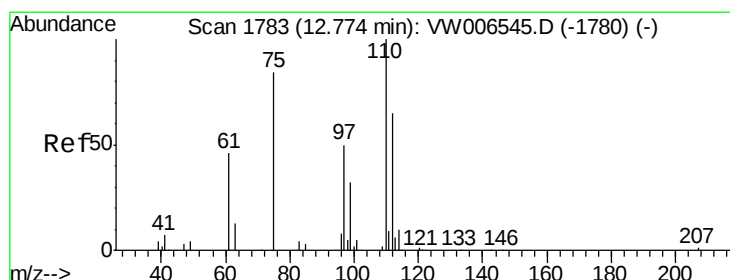
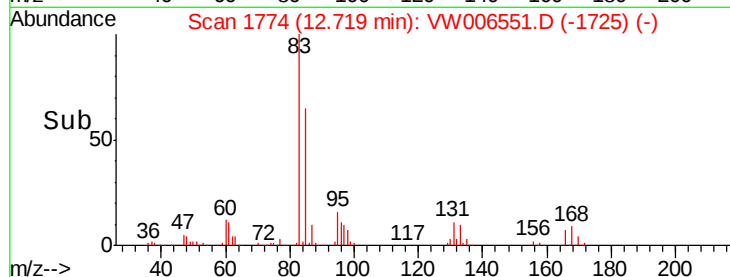
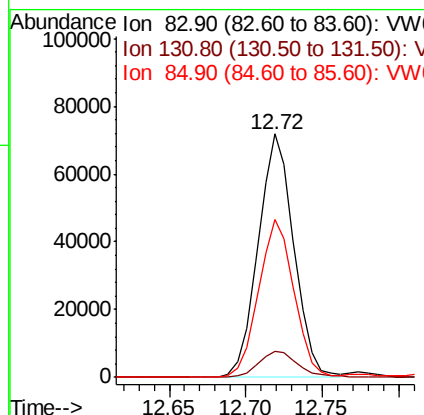
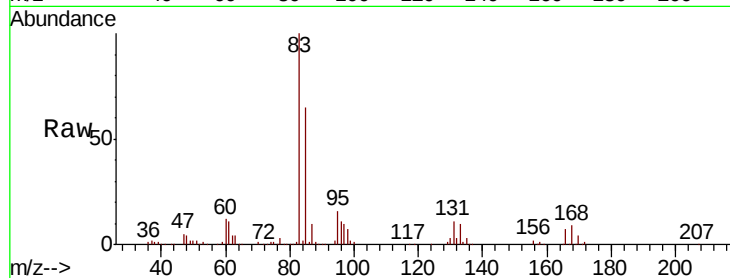
131 11.9 5.9 17.7

85 64.3 32.3 96.8

Manual Integrations
APPROVED

apatel

11/2/2018 3:20:49 PM



#76

1,2,3-Trichloropropane

Concen: 58.915 ug/l m

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006551.D

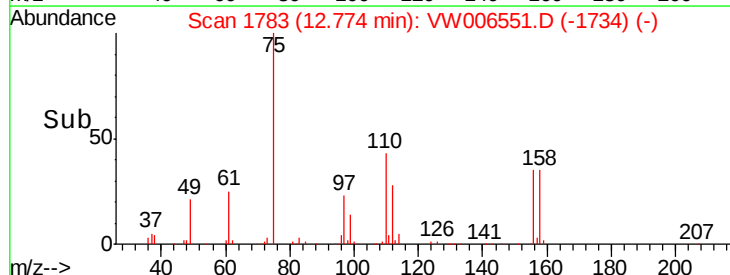
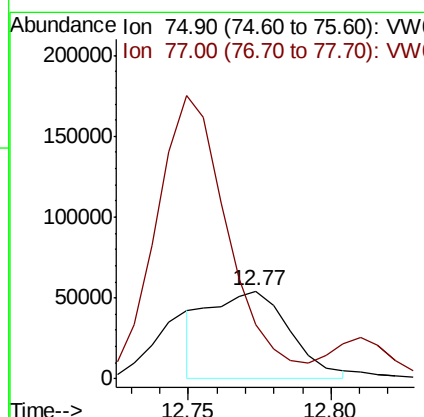
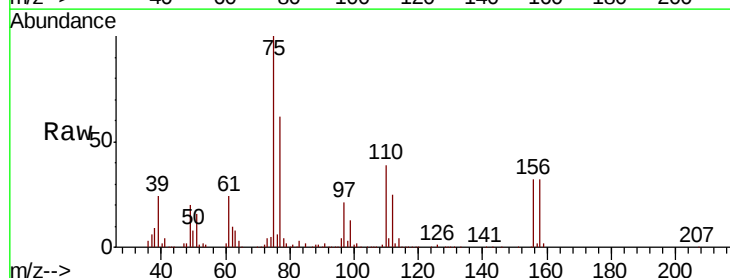
Acq: 01 Nov 2018 10:43

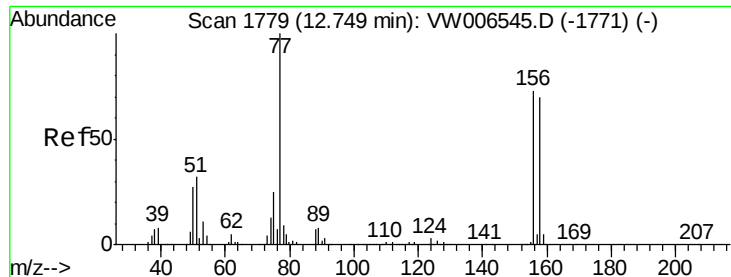
Tgt Ion: 75 Resp: 107544

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.672 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

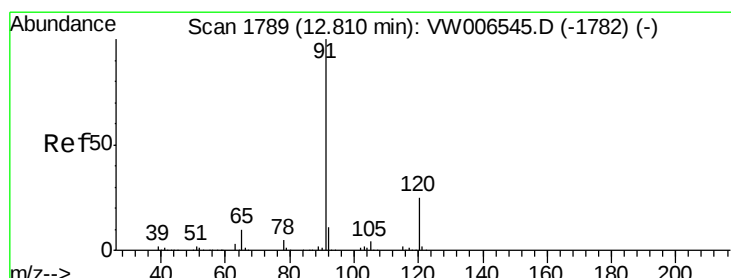
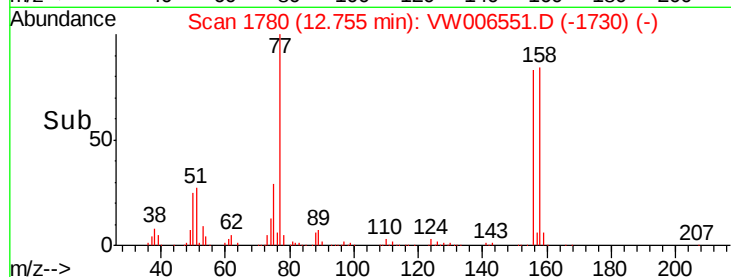
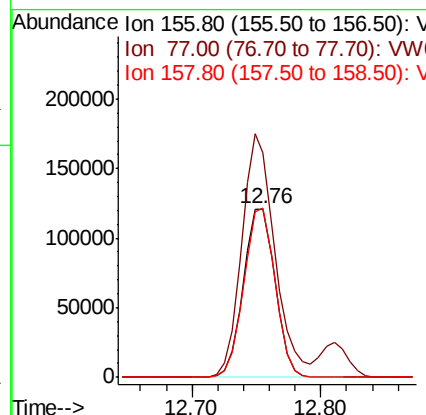
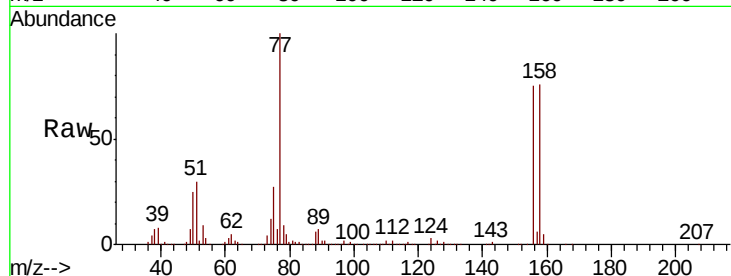
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	206189
Ion Ratio	Lower	Upper	
156	100		
77	150.9	75.9	227.8
158	98.3	48.6	145.9

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM



#78

n-propylbenzene

Concen: 56.167 ug/l

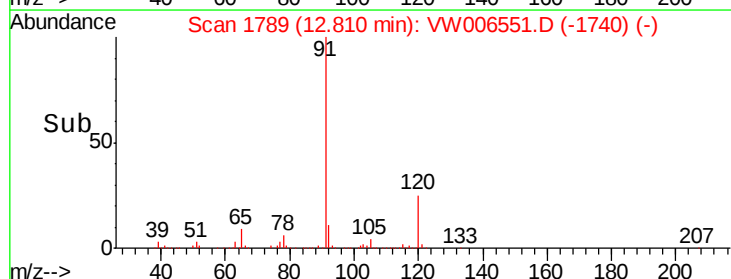
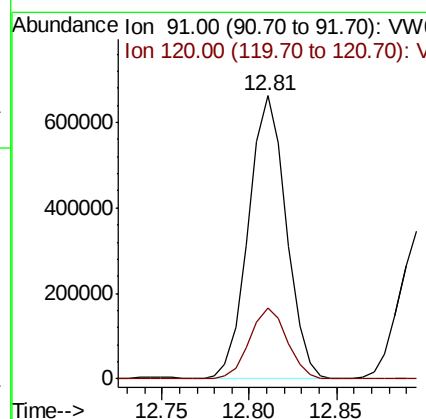
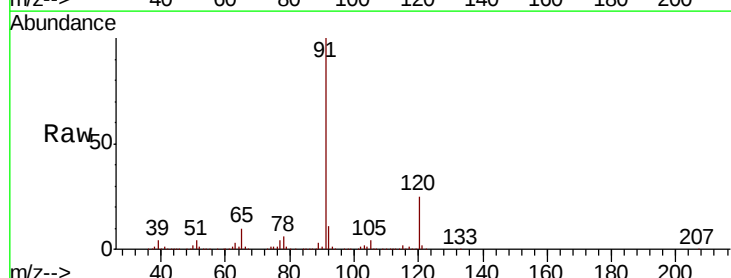
RT: 12.81 min Scan# 1789

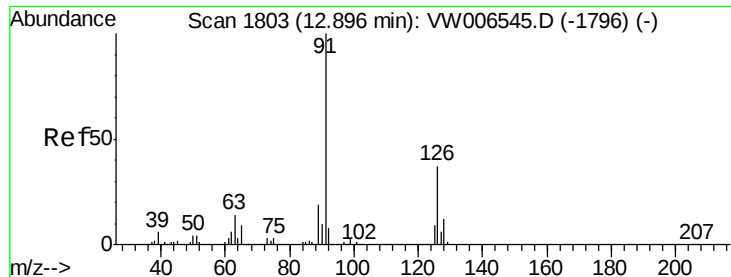
Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tgt Ion:	91	Resp:	995679
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.4	37.0





#79

2-Chlorotoluene

Concen: 54.100 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 550393

Ion Ratio Lower Upper

91 100

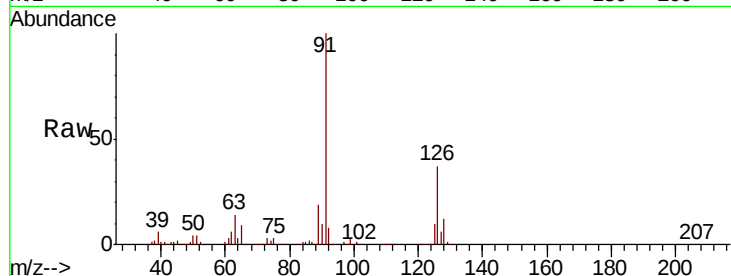
126 37.4 18.5 55.5

Manual Integrations

APPROVED

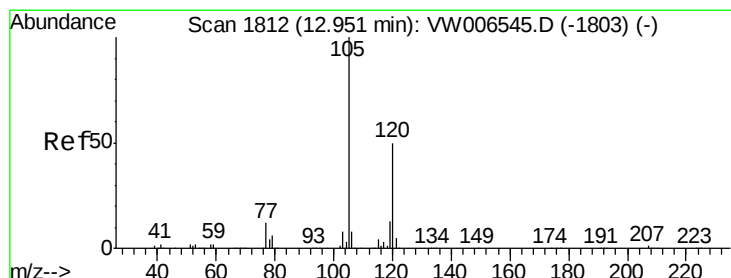
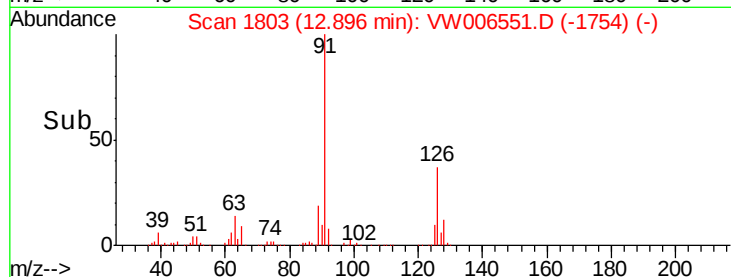
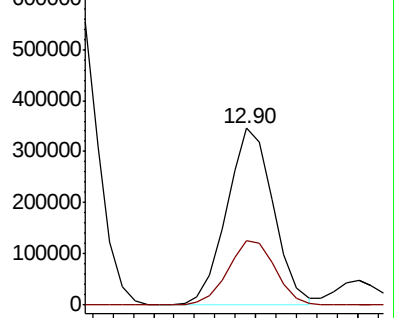
apatel

11/2/2018 3:20:49 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.534 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006551.D

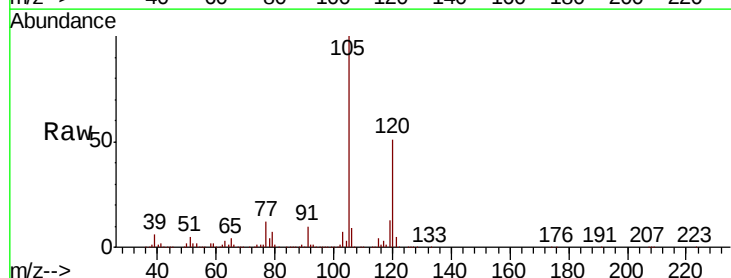
Acq: 01 Nov 2018 10:43

Tgt Ion:105 Resp: 719055

Ion Ratio Lower Upper

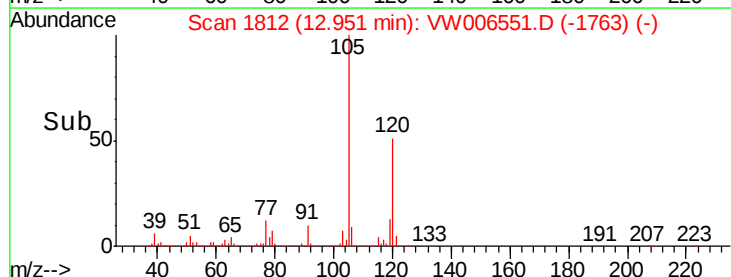
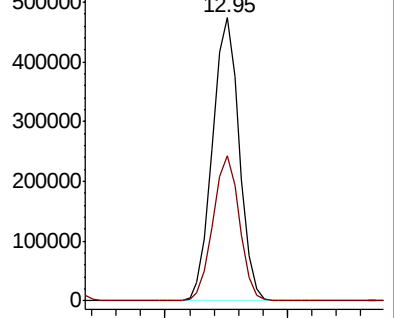
105 100

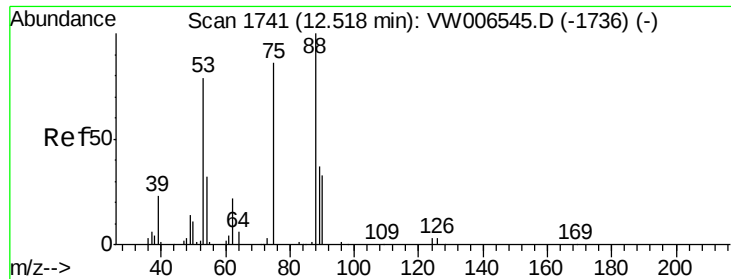
120 50.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.671 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

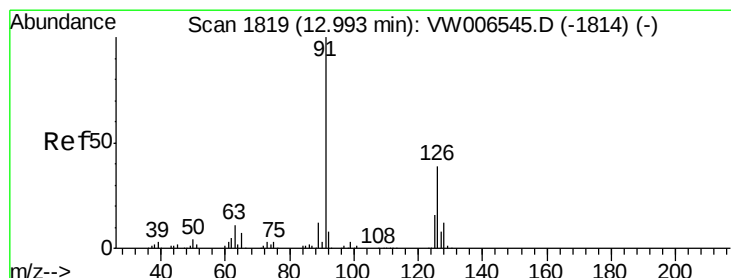
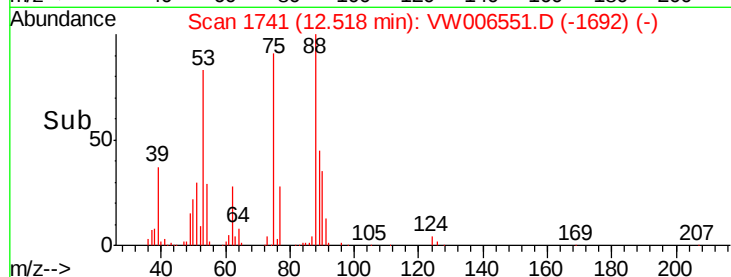
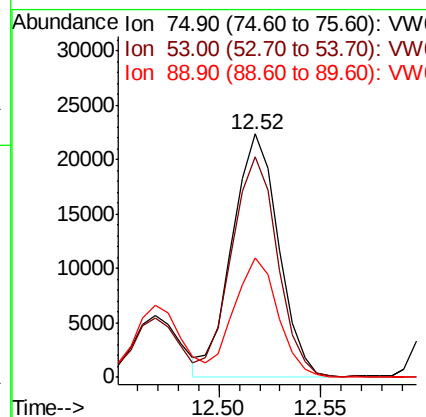
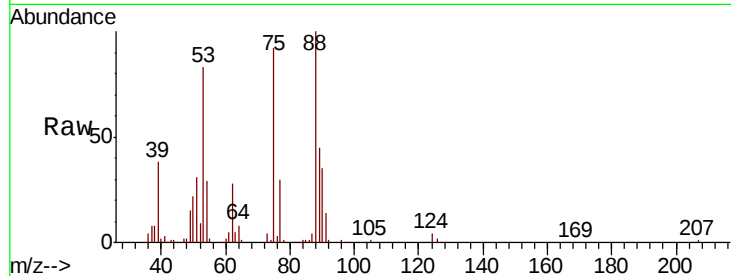
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	34998
Ion	Ratio	Lower	Upper
75	100		
53	91.6	77.2	115.8
89	47.1	38.6	58.0

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM



#82

4-Chlorotoluene

Concen: 54.142 ug/l

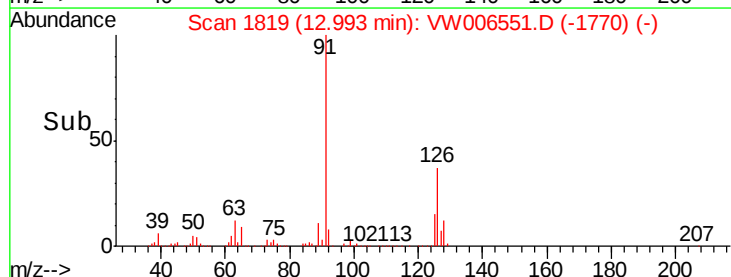
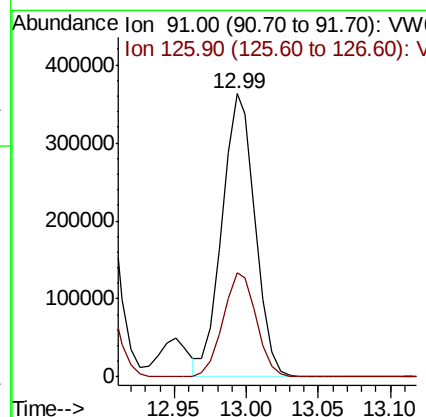
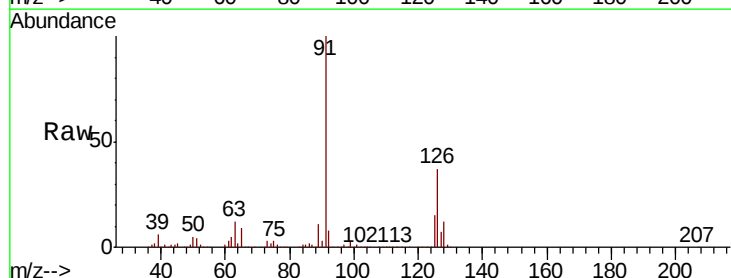
RT: 12.99 min Scan# 1819

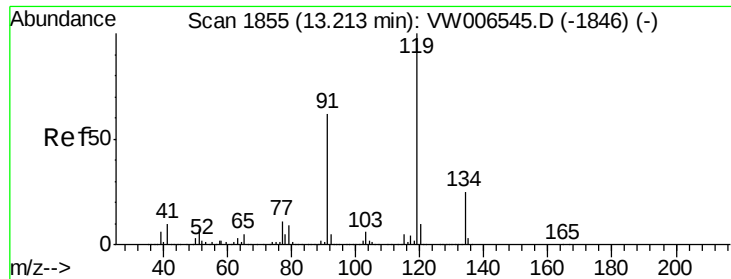
Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tgt Ion:	91	Resp:	582739
Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.5	55.5





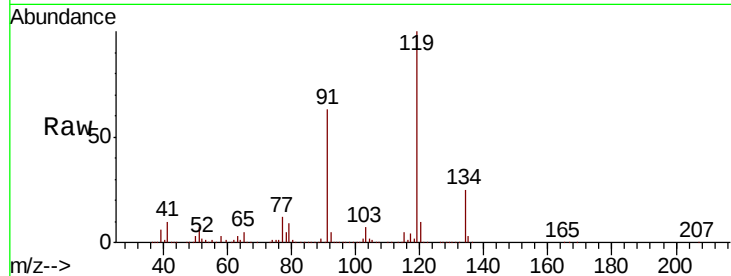
#83
tert-Butylbenzene
Concen: 56.114 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

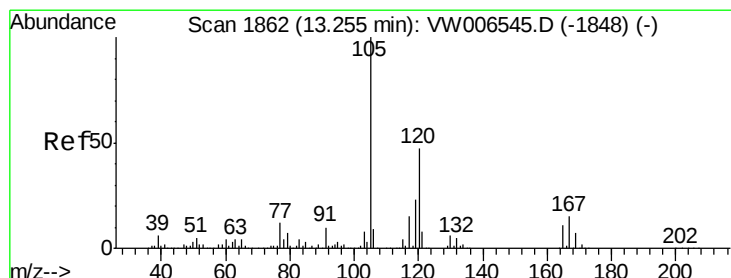
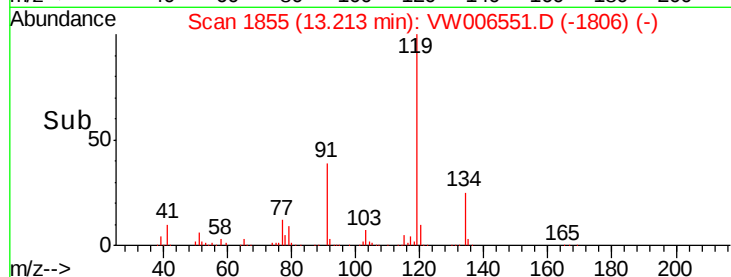
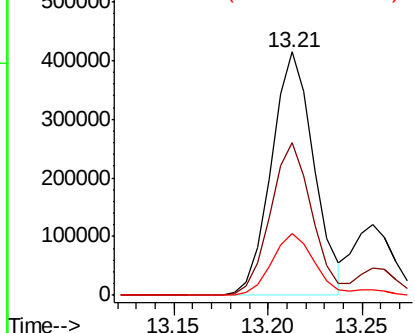
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.4	91.3
134	25.4	13.5	40.4

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM

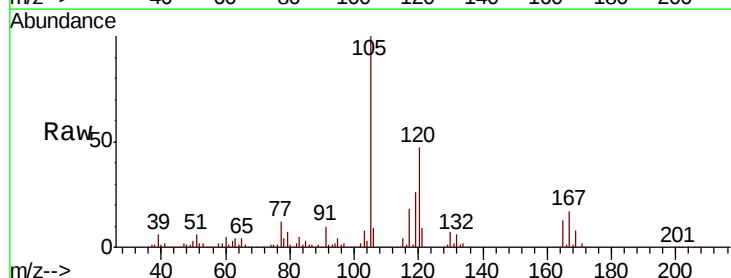


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

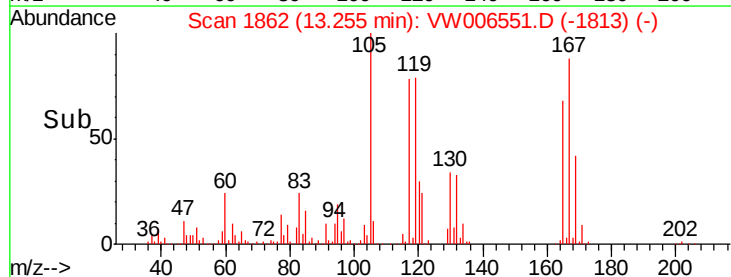
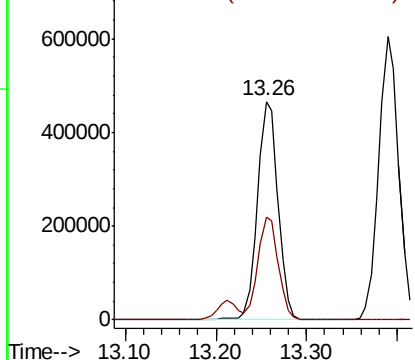


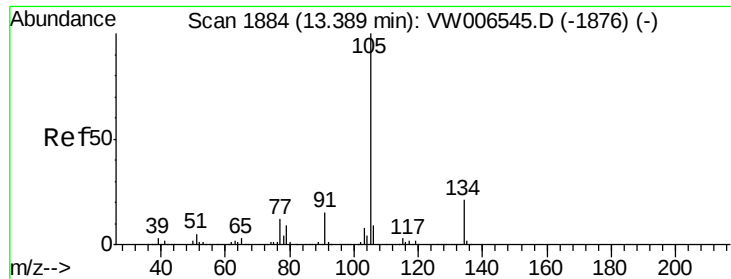
#84
1,2,4-Trimethylbenzene
Concen: 55.000 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 57.040 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 922434

Ion Ratio Lower Upper

105 100

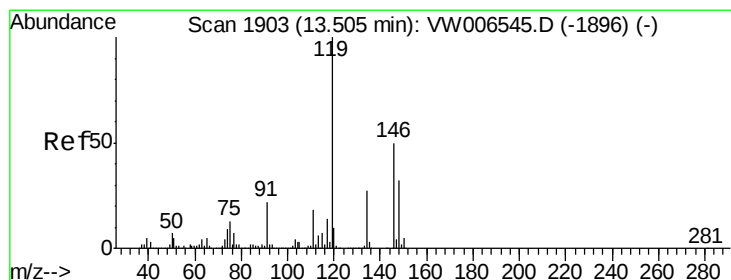
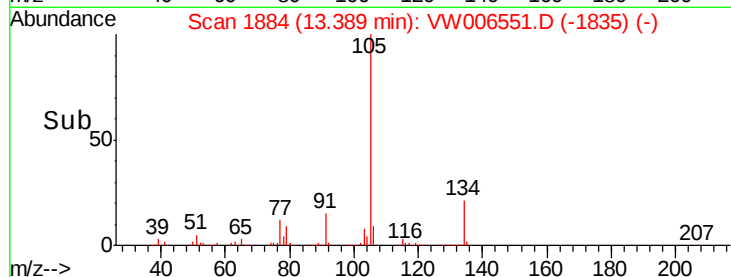
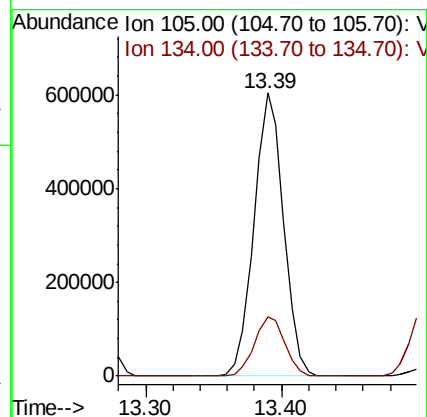
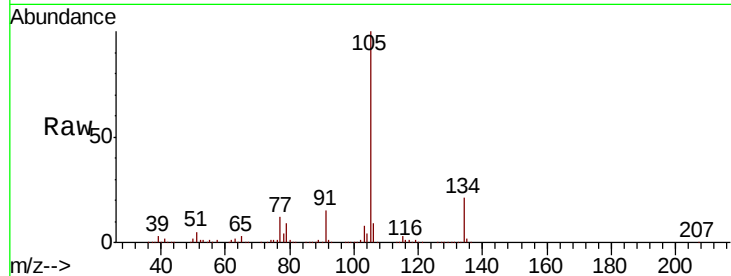
134 21.6 10.6 31.8

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:49 PM



#86

p-Isopropyltoluene

Concen: 57.207 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

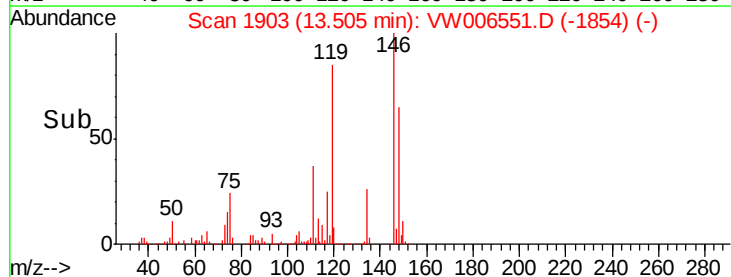
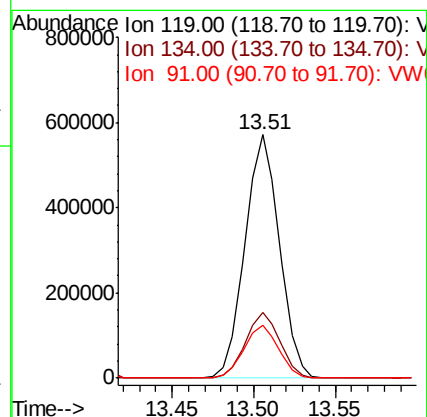
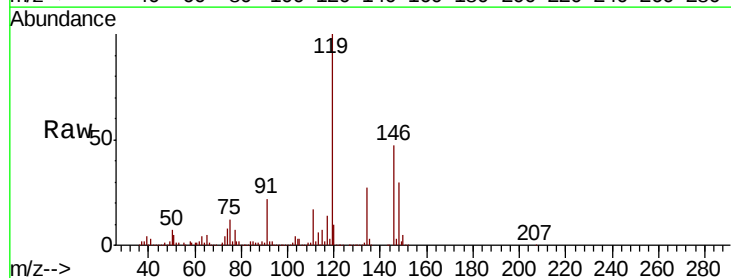
Tgt Ion:119 Resp: 841803

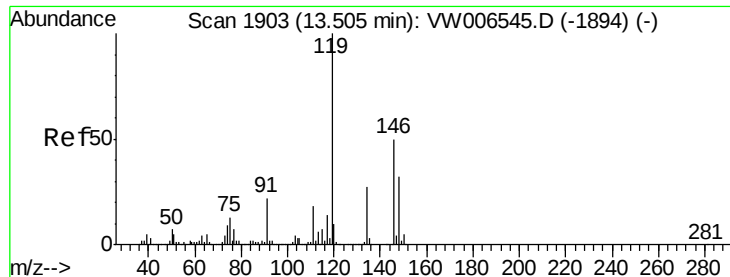
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 21.8 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 53.255 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

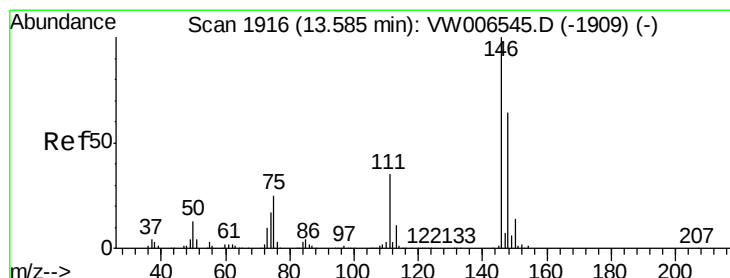
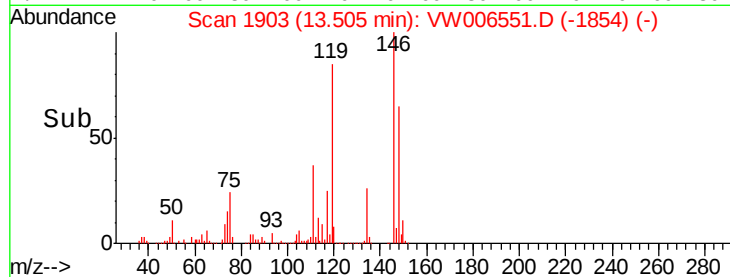
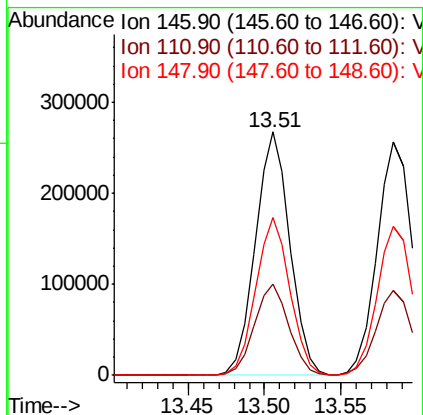
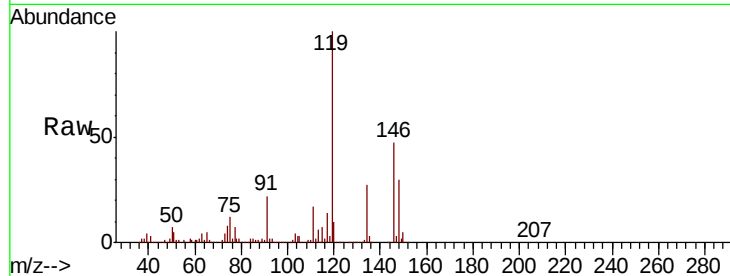
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.6
148	64.4	32.1	96.3

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM



#88

1,4-Dichlorobenzene

Concen: 52.571 ug/l

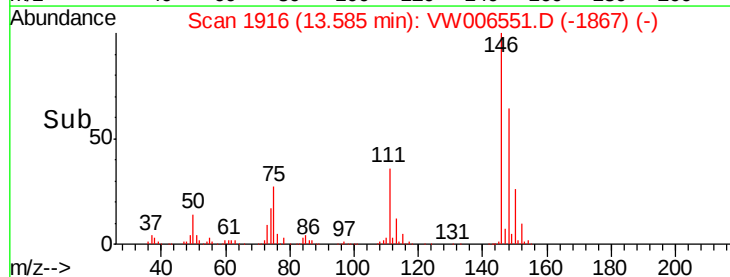
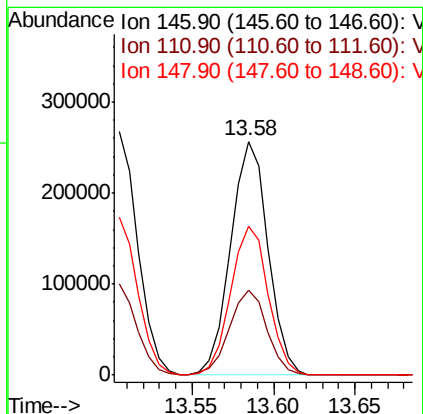
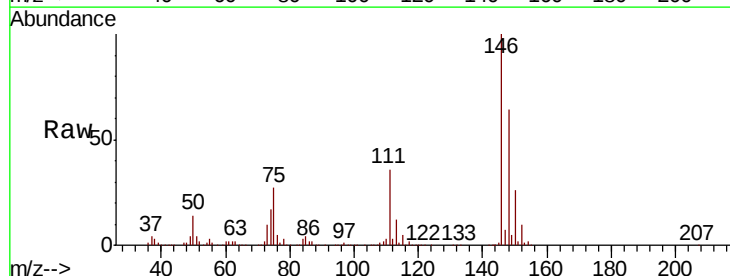
RT: 13.58 min Scan# 1916

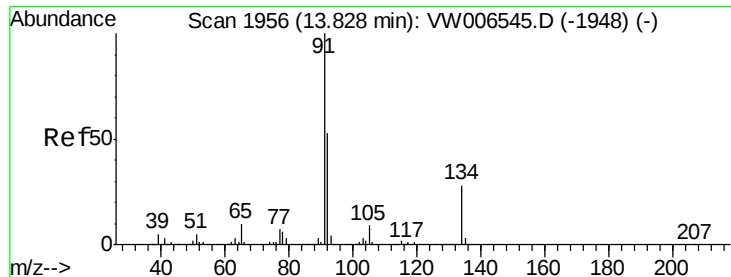
Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.9	53.7
148	64.1	32.1	96.5





#89

n-Butylbenzene

Concen: 58.003 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Instrument :

MSVOA_W

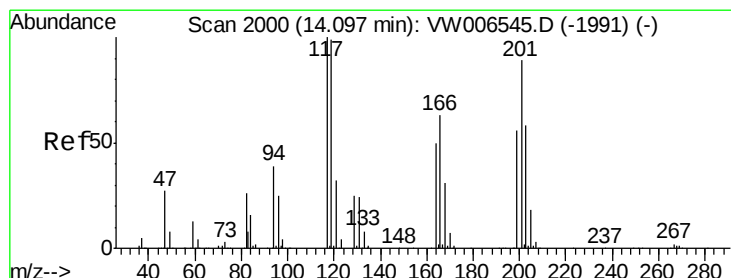
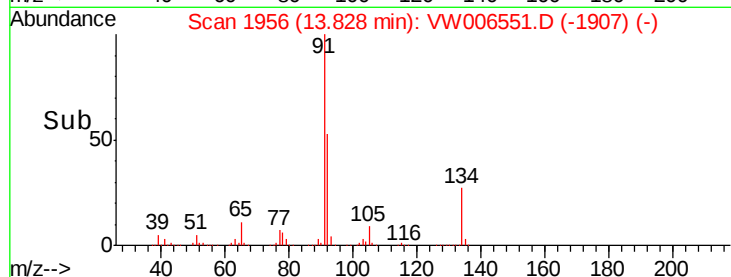
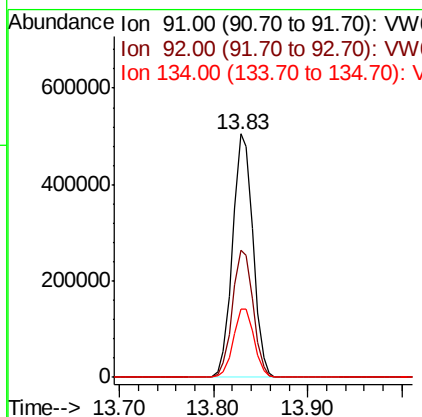
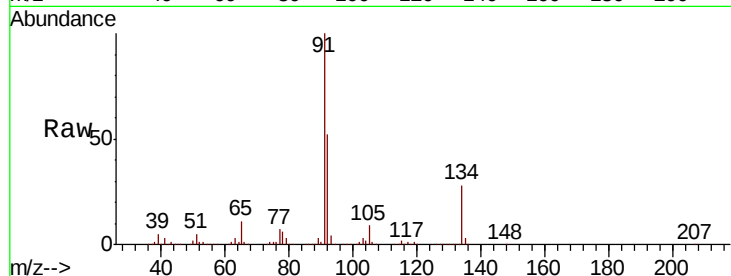
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	757645
Ion Ratio	Lower	Upper	
91	100		
92	53.0	26.4	79.0
134	28.5	14.3	42.9

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM



#90

Hexachloroethane

Concen: 57.444 ug/l

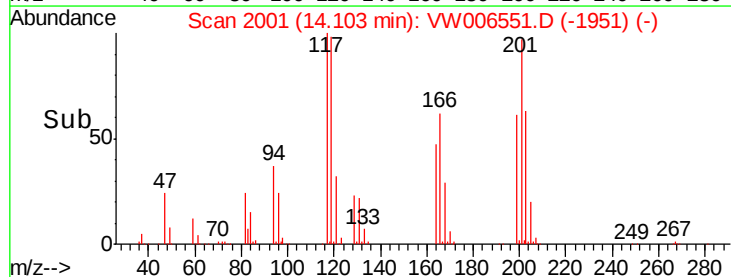
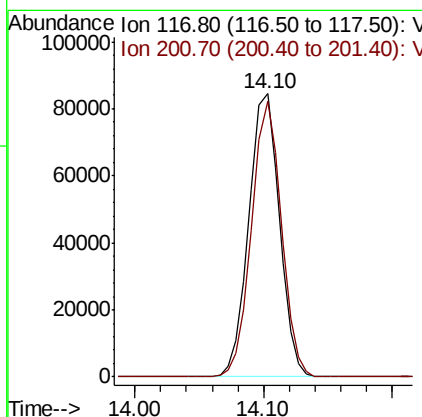
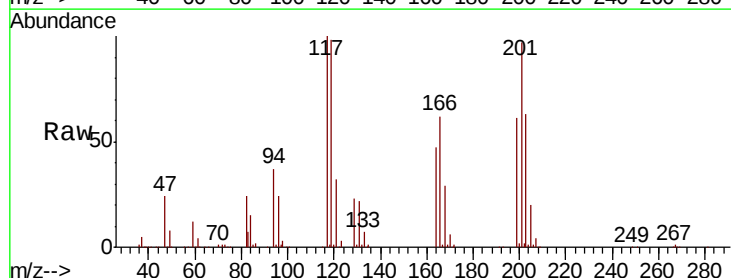
RT: 14.10 min Scan# 2001

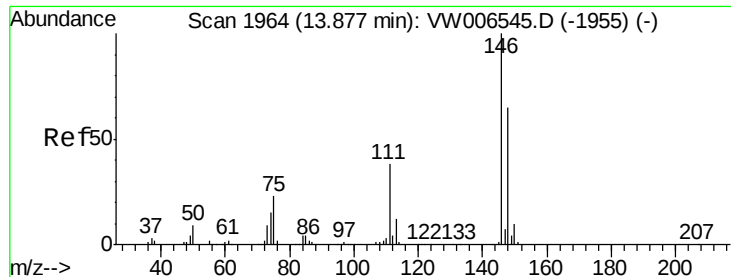
Delta R.T. 0.01 min

Lab File: VW006551.D

Acq: 01 Nov 2018 10:43

Tgt Ion:	117	Resp:	138926
Ion Ratio	Lower	Upper	
117	100		
201	94.2	46.8	140.3





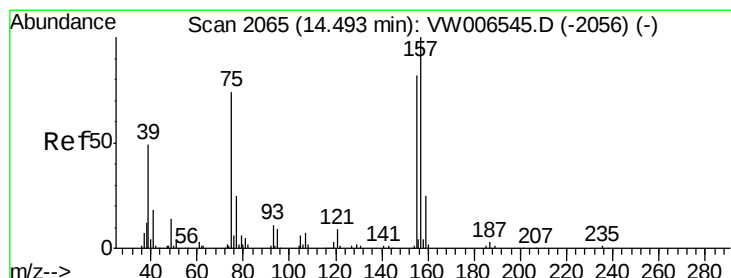
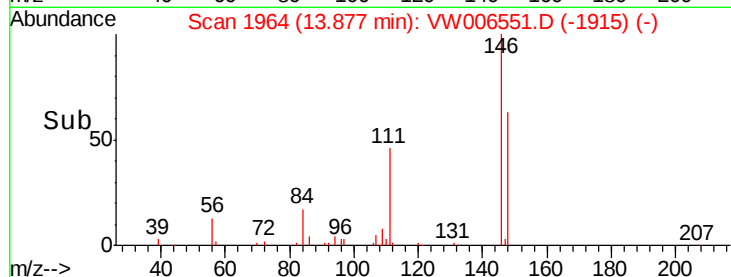
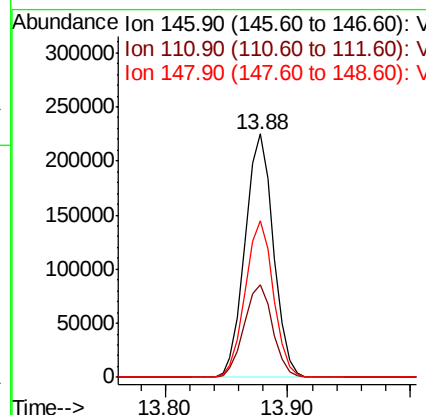
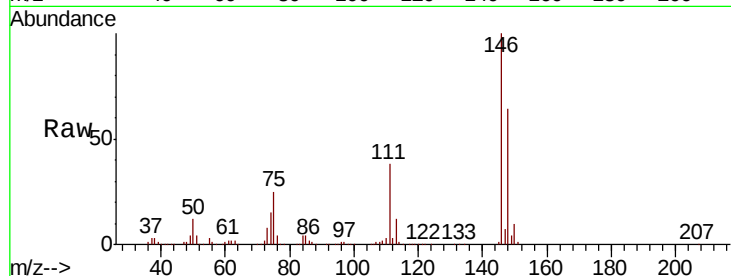
#91
 1,2-Dichlorobenzene
 Concen: 51.162 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	63.8	32.0	96.0

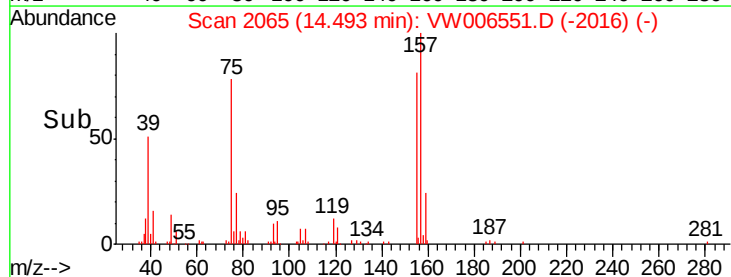
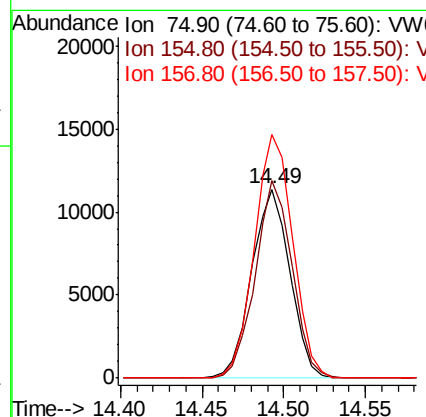
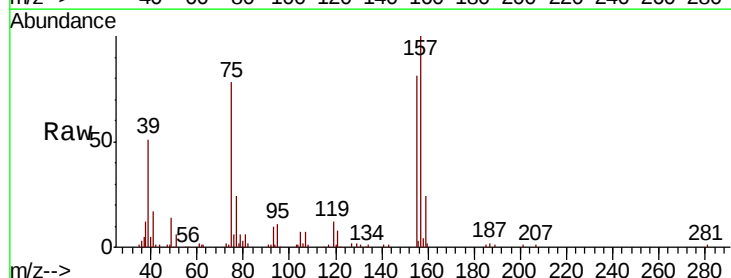
Manual Integrations
 APPROVED

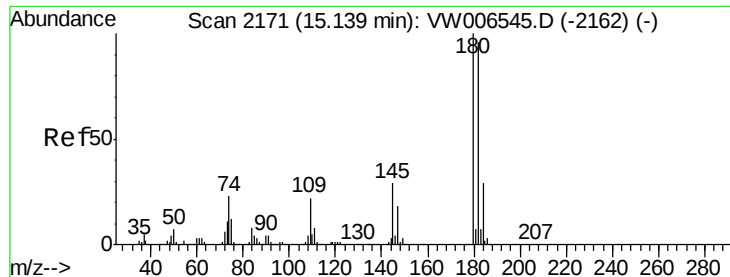
apatel
 11/2/2018 3:20:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.975 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.5	50.6	151.8
157	129.1	65.0	195.0





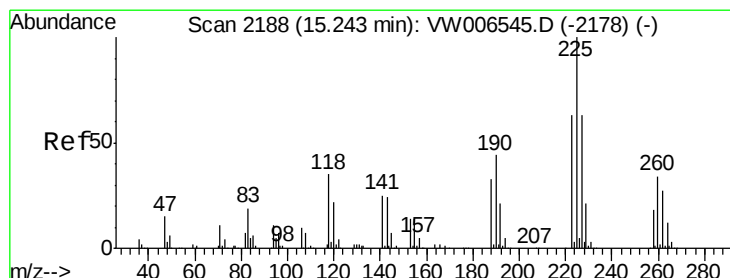
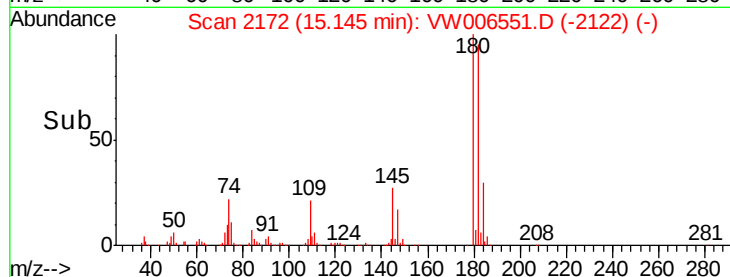
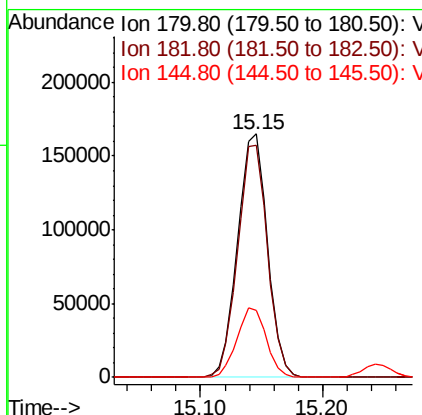
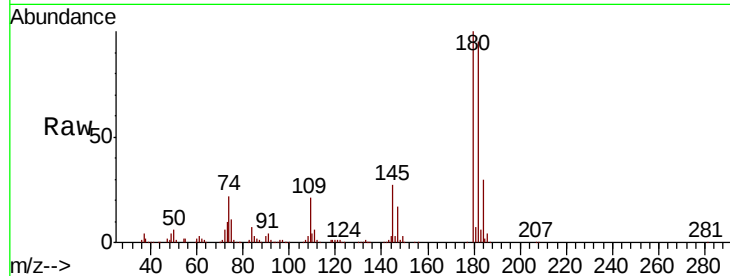
#93
 1,2,4-Trichlorobenzene
 Concen: 52.945 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	278288		
182	95.4	47.5	142.6	
145	28.2	14.0	42.0	

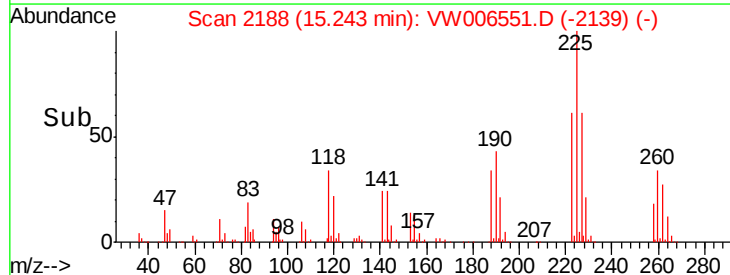
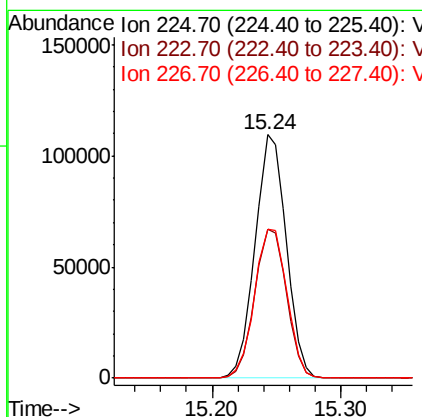
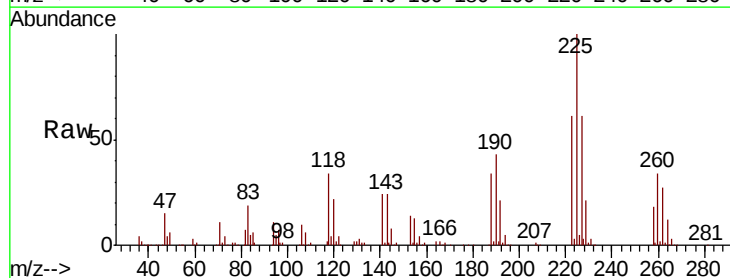
Manual Integrations
 APPROVED

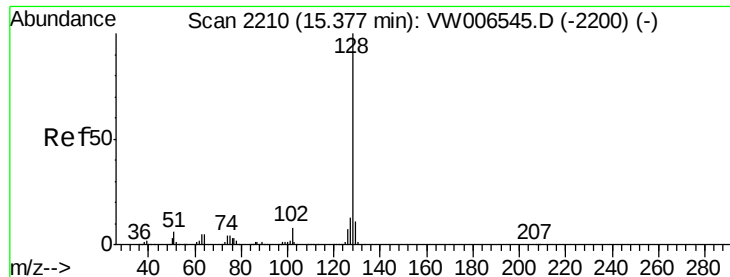
apatel
 11/2/2018 3:20:49 PM



#94
 Hexachlorobutadiene
 Concen: 55.876 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006551.D
 Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	183045		
223	62.4	31.4	94.2	
227	63.5	32.2	96.6	





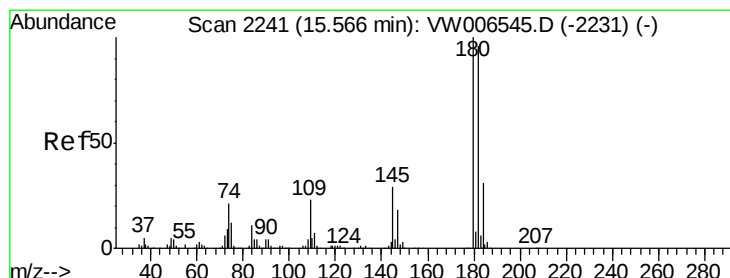
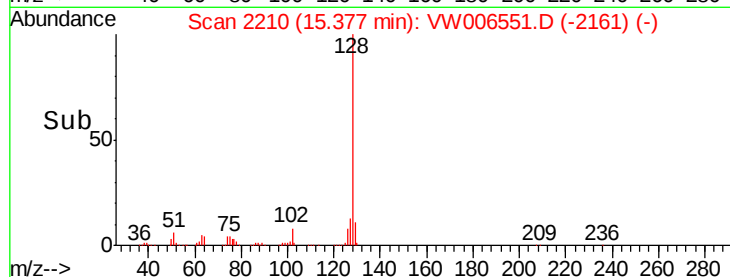
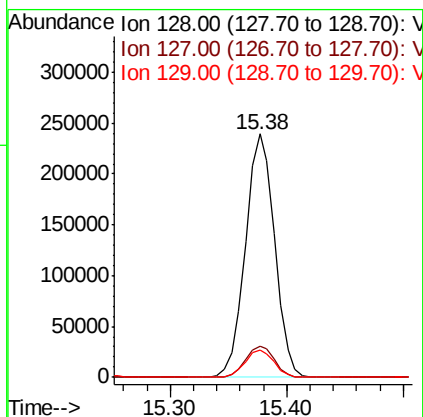
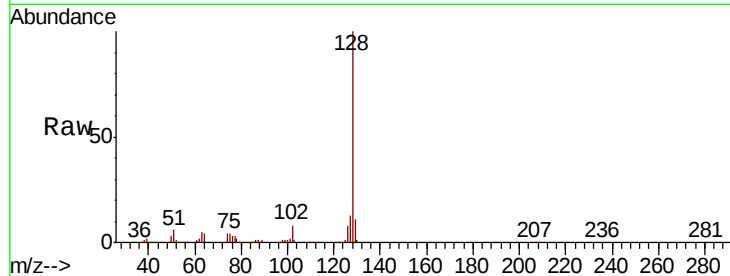
#95
Naphthalene
Concen: 49.498 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.813 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006551.D
Acq: 01 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.2	144.6
145	30.1	14.9	44.5

